



NWEA 2015 MAP Norms for Student and School Achievement Status and Growth

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IMPORTANT NOTE ABOUT THIS NOVEMBER 2015 EDITION

Newly available information led to more accurate norms for Kindergarten. General science status norms for grades 9 and 10 are now available for screening and placement decisions pertaining to student attainment in general science skills and concepts.

**NWEA 2015 MAP Norms
for Student and School Achievement Status and Growth**

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Portland, Oregon

July 1, 2015
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Foreword

On its face the concept of norms is fairly straightforward - take a distribution of scores, calculate the mean and characterize each score in terms of its relative direction and distance from the mean. However, the reality of norms and their utility for a widely used assessment system such as Northwest Evaluation Association™ (NWEA™) Measures of Academic Progress® (MAP®) is highly complex.

The complexity found in the NWEA 2015 norming study is intended to improve the utility, accuracy, and generalizability of the norms for our partners. In these norms, we have continued to refine the use of school calendars to provide growth information that better reflects the number of instructional days available to the student between tests. We have modeled the norms in a way that is more sensitive to the impact of summer vacations on learning. Finally, while we have calculated student level norms and school norms separately, they are included in the same study, a feature that should be more convenient for end users.

More important than convenience, however, is quality - both in terms of accuracy and utility. In addition to the careful creation of this study, we have subjected the findings and report to numerous internal reviews and have engaged external experts to review and critique the report. Its release represents our assurance that the report is ready for use by NWEA partners with confidence and that the numbers and the inferences can be trusted.

We note that norms reflect the performance of students and are sensitive to changes in student populations. Readers may notice differences in the patterns of student status and growth from the 2011 norms, including some higher or lower growth patterns in various grades. This should not be interpreted as evidence of any instability in the NWEA RIT Scale for MAP, changes in the accuracy of test results, or low quality in previous norms. The scale remains stable, the measurement model for status and growth remains valid and reliable, and the series of norming studies, while continually improving, has been strong from the outset.

NWEA is pleased to make this study available to you, and stands ready to assist in using and interpreting these norms in our shared quest to help all students learn.

Dr. Raymond Yeagley, Ed.D.

Vice-President of Research and Chief Academic Officer
Northwest Evaluation Association

Acknowledgments

As with past efforts, the research on NWEA 2015 MAP norms, and this report specifically, has benefitted from the interest, contributions, and patience of many colleagues in Research, attesting to the importance attached to this effort to support users of MAP. We feel confident that readers will find this document invaluable to their understanding of how students attending US public schools learn over time as measured by NWEA Measures of Academic Progress.

The 2015 MAP Norms project began almost a year ago, picked up pace this past winter when preliminary results were shared with colleagues in Product Management and Product Engineering. Reviews and conversations with key Professional Development and Partner Accounts stakeholders, and major NWEA partners, occurred as this report rolled to its completion this spring.

The authors are grateful for the leadership and support of Raymond Yeagley, V.P. of Research and Chief Academic Officer, and Wei He, Sr. Manager of Psychometric Services, throughout this period. Very special thanks are due to Pamela Woodrow for her expert management of the project. Pamela Woodrow also directed a secondary data collection effort to improve the accuracy of the instructional calendar information. Rebecca Moore managed the release and publication of the report.

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July 1, 2015

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1 MAP Norms for Status and Growth

When educators and parents speak of improvement, progress, or growth in learning, normative performance is probably not the first thing that comes to mind. It is always important to hear about what, and how much more of the curricular content, a student has learned; but knowing how much a student has learned compared with the attainment of the student's peers is probably a close second. For meeting this purpose, norms are critical. Norms indicate the levels of achievement and growth that are attainable for identifiable populations of students or schools.

At their most fundamental level, norming studies are designed and conducted in pursuit of a common goal: to foster valid inferences about specific characteristics of a population based on members sampled from that population. Norms are invaluable precisely because they indicate the levels of achievement and growth which are attainable for identifiable populations of students or schools. A good set of norms will help pinpoint how students achieve. Subsequent norming studies will also tell us a lot about where students are headed, in addition to where they are at follow-up. The present study is consistent with these objectives, all aimed at describing pertinent aspects of performance on MAP assessments for the population of U.S. English-speaking, school-age (grades K-11) population.

In addition, several motivations prompt this study. The first two are carried forward from the 2011 RIT¹ Scale norming study (Northwest Evaluation Association, 2011a), namely,

1. to provide a way for users of MAP achievement tests to consistently and accurately reference the performance of present and future examinees to performance expected in the population, and
2. to develop stronger statistical support for inferences about student achievement status and growth so as to maximize the *utility* of the information contained in a vast and growing longitudinal database of MAP assessment results.

To these motivations, we further aimed

3. to consolidate, refine, and enhance methodology developed for and introduced in the 2011 study,
4. to introduce methodological advances that will substantively reduce error and strengthen norm-referenced inferences about growth from one grade to another,

¹“RIT” stands for Rasch Unit and is $200 + 10 \times \theta$, where θ refers to the logit scale units of the Rasch Model.

5. to extend support for norm-referenced inferences for the school when it is treated as the unit-of-analysis, and
6. to document and discuss the anticipated changes in the new norms relative to the 2011 figures.

As we have pointed out in the 2011 RIT scale norms study, contemporary school realities and policies can, and often do, require test scores to be used for different purposes, effectively changing their intended interpretations and uses. Practices and policies aimed at accountability, evaluating school or program effectiveness, tracking student progress, informing high-level instructional decisions, selecting students into programs, or making promotion or graduation decisions are among the more common uses of test scores. In these and other similar situations, test scores may take on not only interpretations that differ from those intended, but carry varying, sometimes unintended, consequences as well. While it is unlikely that any set of achievement test norms can fully accommodate such a broad range of uses and score interpretations, it is a reasonable challenge to develop norms that can optimize the quality of information that is available to be used in these contexts.

1.1 Approaches to Norming

Throughout this study we focused on developing norms that are flexible and would be useful to professionals in schools, school districts, and research settings as they are asked to translate test performance to inform educational issues and decision making that rely on achievement data. In this regard, little has changed from the 2011 study. Retaining this focus, however, brought into sharp relief the landscape of challenges posed to the “flexible” and “useful” criteria. These challenges are embodied in a wide range of issues from incorporating traditional practices and conventions for producing quality norms (*e.g.*, Angoff, 1984) to recognizing and accommodating the issues posed by changes in school environments, practices, policies, resources and expectations that have emerged over the past four decades. Each of these areas have had an important influence in framing the methodological strategy employed in this study.

Traditional norming practices have been in use for quite some time. Much of this tradition was detailed more than four decades ago in *Scales, Norms, and Equivalent Scores* (Angoff, 1984). Not only did this work illuminate and discuss many of the perpetual issues facing educational measurement up to its original publication in Thorndike (1971), but it perceptively anticipated many of the measurement issues facing us today. While advancements in measurement and analyses have certainly been made over the ensuing decades, corresponding advances in the development of norms that move beyond issues raised by Angoff have been less apparent.

Throughout that time period, development of achievement test norms has followed a fairly common pattern - one that is largely consistent with the general approach Angoff encouraged. In this approach, a single reference test form, perhaps with several additional parallel test forms, is administered to randomly selected students or groups of students within a pre-specified timeframe of 3 to 4 weeks. Sampling plans are designed to yield a sample that is representative of the target population for the test. Tests are scaled using the same sample. Results from these norming studies can be referred to as *test-form-centric*. That is, the test or test form and the performance scale used for reporting are borne of the same scaling process and so are inextricably linked; the representativeness of the sample notwithstanding, scale score references (*e.g.*, grade-level mean, standard deviation, percentile ranks) apply only to the reference test form and its associated parallel forms. Norms from such studies are technically only applicable as refer-

ences to test performance that come from those tests administered in a timeframe that corresponds to the one used for the study (e.g., Sept. 15 through Oct. 15).

We find no theoretical fault with this general approach. Assuming that threats to a test's measurement validity have been sufficiently neutralized, the procedure is likely to result in defensible norms. However, use of the resulting norms would be constrained at least to the test form (or forms parallel to it) that were administered in the designated time period(s) of the school year.

Furthermore, such constraints are particularly challenging to the idea of student growth norms. Even assuming that forms are vertically equated, there is, until recently, strong hesitance in the use of the raw change or gain score (see, e.g., the contributions in Harris (1963)) and hence the development of growth norms. Consequently, if growth was addressed, the answer seemed to lie in inference about differences between cross-sectional status norms. Thanks to the work of Bryk and Weisberg (1976), Rogosa, Brandt, and Zimowski (1982), Rogosa (1995), Willett (1988), and Williams and Zimmerman (1996), among many others, the notion that raw gain scores are inherently unreliable for measuring change is considerably weakened (Thum, 2003). With the right longitudinal data and new developments in growth modeling, we now recognize that growth may be reliably measured. Additionally, norms for individual growth may now be developed, displacing the practice of using differences in grade-level cross-sectional distributions for inferences about individual student growth, an approach that is still evident in the recent effort by Hill, Bloom, Black, and Lipsey (2008) to provide empirical benchmarks for educational evaluation purposes.

1.2 NWEA Norming Approach

NWEA's approach to MAP achievement and growth norms differs from the more traditional approach on several dimensions. It has also been greatly facilitated by the vertical scales underlying MAP assessments and by the availability, from strong NWEA partner commitment, of a vast archive of longitudinal student test data. Collectively, these differences arise in response to what we perceive as limitations of both the interpretations and uses of norms developed thus far. A brief overview of these differences will help to highlight the challenges they pose to ensuring appropriate interpretations across a wide range of use conditions as well as to foreshadow some of the procedures used to address those challenges. Here, we offer a brief discussion of each of these essential characteristics of NWEA norms, leading to the choice of statistical design and analytical method. More details follow in the succeeding chapters.

1.2.1 Status and Growth

The strength of NWEA norms from 2005 on has been to support valid normative inferences about achievement status and growth. The principle we take to measuring learning growth hinges on a strong description of how individual student scores change over time. Much attention is paid to the scaling of the test scores, the criterion, and the meter of time, the predictor, of this essential relationship. This description is leveraged in inferences about how students grow academically. Most frequently the focus of user attention are the descriptions of achievement status that are conditional on when an assessment occurred, such as the mathematics achievement norms for the spring term for 4th graders.

Using standard statistical arguments, marginal growth norms for any arbitrary two testing occasions may be inferred. Furthermore, growth norms that also condition on the starting performance of the student may be achieved through direct conditioning of the joint distribution of growth and initial status. This approach

results in a normative measure of growth called the *conditional growth index* (CGI), and its corresponding population percentile called the *conditional growth percentile* (CGP) (NWEA, 2011a; Thum, 2015). Similar metrics are available for schools represented as grade-level aggregates. In theory, these metrics facilitate reporting and secondary analyses. But, most relevant to the user, is that they present better ways to achieve fair (“apples-to-apples”) comparisons, whether within or beyond grade-levels or subject matter.²

1.2.2 Test Scale and Student Scores

MAP assessments are computerized adaptive tests (CAT). Individual tests are constructed based on the student’s performance while responding to items constrained in content to a set of standards (usually defined by a state). As each test proceeds, items are selected from a large pool of Rasch-calibrated items (1,800 to 4,500 items depending on each test’s content specification), based on the test-taker’s interim ability estimate. For this study, well over 1,900 different item pools across the four content domains of reading, language usage, mathematics, and general science provided the items. Since all items in a single content domain are calibrated to the same scale, different tests that may be constructed in that domain are all children of the same parent, and scores from different tests constructed from that domain can be interpreted in the same manner. Results from this norming study, therefore, reference performance related to scales of measurement, rather than to any particular test.

All test event records used in this study were from operational MAP tests. Only tests that were routinely used in schools during the study’s 3-year timeframe (fall 2011 through spring 2014) were included. Restricting the study to operational tests is, of course, accompanied by the threats that convenience samples pose for studies intended to generalize to a population (Angoff, 1984; Kolen, 2006). To counter these threats and to achieve sample representativeness to the target (U.S. English-speaking school-age) population, a post-stratification procedure was employed. This approach avoids the time and expense needed to recruit special samples to achieve sample representativeness.

1.2.3 Variation in Testing Schedule and Instructional Time

Test administration schedules were, in practice, decided entirely by the schools and school districts using them; no test administration schedule was imposed by NWEA. While this feature of the tests allows a great deal of flexibility for test users, it also demands that test administration occasions be accounted for at a much more granular level than term or season. If, for example, set “schedules” for test administration were to be imposed to filter out test records not falling into narrowly defined test administration windows, a number of biasing factors would be introduced, weakening the basis for valid inferences and uses of the norming results. In fact, there is fortuitous benefit to have the broad variation in MAP testing schedules because the description of achievement over time is improved when variation in the measure of time, functioning as the predictor in a regression model, is increased.

Rather than use testing dates on the general calendar to mark time, we sought to re-construct *instructional* time to be employed in describing changes in achievement. To account for the time at which tests were administered and for the time separating test occasions, school district calendars were retrieved. From

²The CGI is similar in principle to the conditional growth percentile of the Colorado Growth Model (Betebenner, 2008), except that student achievement is assumed to be measured on an interval cross-grade scale rather than on an ordinal scale. Because short-term growth is the focus of the CGI, i.e., inferences are made only within a five-term wide instructional time span about a focal grade-level, we are confident that vertical scale assumptions are appropriate under such circumstances (see Braun, 1988).

these calendars, an intended instructional-days calendar was created for each individual school across the 3-year study time span. These individual calendars allowed varying test administration times that were anchored to instructional time to be taken into account in the analysis. (Details are found in Section 2.4.)

1.2.4 Student vs. School Norms

A vast literature on the problems of ecological or cross-level inference, from Robinson (1950) to Raudenbush and Willms (1995) and King (1997), cautions that what we know about individuals may not always be mirrored directly in what we see among groups of individuals, and vice versa. In the school setting, for example, that students may behave differently from schools is not what is at issue. The problem arises when the behavior of one is mistaken for the behavior of the other, leading to an error termed “aggregation bias” in cross-level inference. This phenomenon has particular relevance to our effort to provide both students and school grade-level norms.

When norms for schools were unavailable, student norms have been employed to evaluate student grade-level aggregate performance. This practice is invalid because of the mismatch between the object of the evaluation and the empirical reference benchmark of the evaluation construct. Because schools do not vary as much as students do in their achievement status or in growth, comparing most aspects of school performance against benchmarks drawn from student norms produces a generally pessimistic view of school effectiveness. When high stakes are attached to such evaluations, the results grossly misinform policy and can be unfair and even harmful to students, educators, and schools alike.³

Student and school grade-level norms are also important to the design of evaluation studies employing assessment outcomes. In addition to providing empirical benchmarks for evaluation studies (see above), the 2015 RIT scale norms produces school grade-level *intra-class correlations*, or ICCs⁴, estimates that may be exploited in designing group randomized evaluation studies. In a discussion of results to follow (Chapter 5), we report results for mathematics and reading and compare them to the important findings from a compilation of existing nationally representative datasets by Hedges and Hedberg (2007).

1.2.5 Design and Analysis

To incorporate the explicit and implied decisions from the above list, while accounting for the unique characteristics and challenges of the testing model, an integrated conceptual and analytic framework was adopted. The framework was originally developed for and implemented in the 2011 norms study (NWEA, 2011a; Thum, 2015). Its implementation here includes major refinements to accommodate the added dimensions introduced in this study. The framework provides necessary conceptual and statistical support because it

- acknowledges and incorporates each score’s measurement error in the analyses to improve the

³If the grade-level average score is intended to represent the performance of the average student of a grade and knowledge of his normative performance is desired, then use of student norms is appropriate. However, if the grade-level average is meant to represent all students in the grade-level, as is sometimes the practice in naive accountability structures, then the school grade-level norms should be used.

⁴The ICC, which ranges from 0 to 1.0, is a ratio expressing the extent to which cluster or group means vary against background variation. A sizeable ICC value indicates that observations within the same cluster or group are more highly correlated than the observations from different clusters or groups, signalling the presence of “cluster effects.”

precision of model estimates,

- employs a 3-level HLM to separate score variation within students, and within and between schools,
- deploys model estimates in secondary statistical manipulations to provide the relevant norms,
- increases to 9 terms instead of 5, spanning 3 grade-levels for each student cohort with one grade below and another above the focal grade-level, which provides a more accurate description of the change in scores over time,
- accommodates a needed increase in the time span for building the growth model which, in turn, requires the adoption of a new *additive polynomial* regression model to avoid over-smoothing of known seasonal drops (spring to fall) in test score trends (Thum & Matta, 2015), and
- employs a sample post-stratification procedure to ensure that inferences about test performance relative to the population of interest are made based on a representative sample of that population.

Also a major procedural improvement is the use of a 3-level HLM to separate score variation within students, and within and between schools. In 2012, NWEA provided school grade-level norms for use with partners upon request. Like the 2011 student norms, a 2-level *hierarchical linear model* (HLM) was used. In both studies therefore, estimates of variation between students contain undifferentiated amounts of between-school variance for the student norms. By the same token, the 2012 school norms did not adequately deal with the variation of student performance within schools. The result may have engendered some degree of bias in both sets of norms.

The present study takes the opportunity to improve on the past norms by estimating both student performance and school performance in the same 3-level HLM analysis based on the same data, which affords a more coherent set of references than if student and aggregate school performance were treated independently. To support this decision, random samples were drawn at the school level. All student test records (*i.e.*, each student's testing history in the content area over a 3-year period) for a selected school were included in the analysis. A student with a single valid test score during the 3-year period was included along with grade-level peers who had multiple test scores (*i.e.*, longer test histories) over the same period.

Working within this framework allowed norms for MAP measurement scales to be developed that largely satisfies the key motivations for this study. We contend that the major threats and challenges posed by the issues and differences with traditional approaches to norms development outlined above have been sufficiently met. As a result, the basis for drawing valid normative inferences is broader than it was with the 2011 RIT scale norms study.

1.3 Common Uses of Achievement and Growth Norms

Norms presented in this document can help to answer many of the questions teachers and parents commonly ask about student test performance and achievement estimates provided from MAP tests. The types of questions cited in the 2011 RIT scale norms study document that refer to student performance are still relevant. For example,

- How can this child's mathematics performance, that was estimated six weeks later than her peers, be compared to her peers?
- How much progress might be expected of this grade 7 student after 42 weeks of instruction, who had a RIT score of 212 in the fall of the previous year? And since the rate of change is related to the initial achievement status, how does this expectation compare with those of her peers who scored about 15 RITs higher in the fall?

In addition, teachers and parents can now use the norms presented in this document to help answer questions that pertain to school performance and change. Such questions might include:

- How does the mathematics progress made by grade 6 students in this school compare to the same grade students in other schools across the country?
- The growth goal we have set for our school's grade 5 students over the course of the year is to be at or above the 70th percentile compared to grade 5 students in other schools. Given our students' current RIT scores, what average score would they need to have to meet this goal? Does this seem reasonable?
- Our district's two middle schools have grade 7 average beginning-of-year RIT scores that differ by 12 RITs. The school that scores lower had to test four weeks after the other school. Given they had different average starting RITs and will have different amounts of instructional time between tests, how do we set comparable growth expectations that are fair to both schools?

1.4 Why Norms Change

The release of each RIT scale norms study is commonly followed immediately with the question, "What has changed from the previous study?" More generally, "Why do norms change?" is a very important question, but it is sometimes raised with some belief that norms should not change unless they are either wrong or inaccurate. So, before we discuss what kinds of changes we may reasonably anticipate with the 2015 norms, let us embrace the idea that norms will change. But changes in norms do not imply a change in the underlying RIT scales in any way.

Numerical differences at several superficial levels will likely be visible, especially at the edges of norming distributions, even if population behavior, instrumentation, data, and norming procedures remain unchanged. Consider, for example, the situation in which a new sample is drawn and analyzed with the same set of procedures. Numerically identical results is a statistical impossibility. Statistical equivalence does not imply numerical coincidence.

In addition, there are good reasons why norms change. The most important reason, and a positive one if the result is also welcomed, is that the population has grown or improved in the characteristic of interest. In a typically complex environment, differences directly attributable to the real changes in the population characteristic are much harder to isolate. When changes to instrumentation or analyses are clearly warranted, or there are changes in other aspects of the population that may affect the characteristic of interest, such as a marked increase in limited-English speakers among primary grade students in the U.S., changes should be expected. From the discussion of the 2015 goals above and the enhanced

procedures that followed, the new study made clear and warranted changes to the data used and to the analytical strategy employed. With these sources of likely changes acknowledged, the new norms become “the new normal,” differences from the 2011 norms notwithstanding.

Still, changes to the norms remain a major issue for some users if policy or placement decisions have used standard scores or percentiles as decision cut-points. Users understand of course that changes in the norms reflect a change in the standard, not a change in student performance. If these decisions had been made on the basis of points on the score scale (e.g., RIT) instead, changes in percentiles that almost invariably accompany changes in the norms would be far easier to explain to stakeholders.

1.5 Expected and Actual Changes

While there are many aspects to a comprehensive answer for why norms would change as it pertains to the 2015 norms reported in this study, we can at least point to several areas where differences in results will be most apparent and offer some possible, yet unverified, explanations for them. We expected that changes in status norms would be relatively minor. This was partially the case. While status norms for grades 1 through 5, minimally changed, the status norms for kindergarten and grade 6 and above, changed a bit more than anticipated. Where differences were observed, the grade-level status means for the 2015 norms tended to be lower than the corresponding norms for 2011.

In addition to slightly lower grade-level status means for 2015, the 2015 status norms also contained greater variance around their means than was the case for the 2011 status norms. The combined effect of these differences was that the percentile distributions, particularly in grades 6 and above, were shifted up. Thus, the same RIT score for the same grade-level, for the same season, in the same content area would be associated with a higher status percentile rank in the 2015 norms than in the 2011 norms. These differences would appear to be partially due to the use of a more sensitive analytic model. For example, the 2015 model has been shown to provide more accurate fall grade-level status estimates. In addition, the fall status estimates for kindergarten in the 2011 norms were obtained from a post hoc procedure performed independent of the analytic model used for all other results. In the current norms, fall kindergarten scores were incorporated into the model.

Two additional areas appear promising for helping to explain differences. The one of most immediate interest is the effects of the Common Core State Standards (CCSS). There would seem to be several categories of effects but all revolve around the relationship and sequencing of adoption of CCSS, the implementation of CCSS in the classroom, and administering CCSS-aligned tests. While we know that CCSS-aligned tests were administered with increasing frequency over the 3 year study period, we know only very little about adoption and implementation practices within individual schools and school districts. The second area is more nebulous. It concerns the possibilities of underlying and unobserved differences between the samples used for the two norms studies. Such differences may be attributable to a changing NWEA partner base. Changes in the partner base that are not adequately captured carry with them the potential for changes in the composition of the target population.

Changes in mean grade-level growth were anticipated due largely to better estimation of status with the additive polynomial model, which has reduced effectively the over-smoothing effect of the standard polynomial curve used in 2011. As a result, growth from fall to spring terms were modestly higher in the 2015 norms all across grade-levels and content areas. In reading and language usage, growth from winter to spring was slightly lower in the 2015 norms. In mathematics, grade-level growth from winter to spring was

slightly higher across grades in 2015. The general direction of these differences suggest that under the same conditions (content area, grade, starting position (RIT), instructional weeks before the initial test, instructional weeks between tests) an equal amount of observed growth will result in a slightly lower growth percentile rank.

1.6 Outline of Report

The remainder of this document is organized into four chapters and a large set of tables in six appendices. In Chapter 2, we introduce the reader to key elements of MAP assessments for use in our norming studies, discuss the nature of their item pools, and detail the construction of a key independent variable in this study – instructional time. Chapter 3 describes the approach to assembling test records for the study. It then details the new *School Challenge Index* (SCI) that is to be employed for constructing post-stratification weights. Post-stratification weights for grades K to 11 for NWEA partners in different SCI national deciles are presented for MAP reading and mathematics. Given the goals of the new norming study, the statistical growth models used to compute status and growth norms for both students and schools are identified and detailed in Chapter 4. We introduce the *additive polynomial* for use in the 3-level HLM for describing growth for score trends with known seasonality, to be followed by details of marginal and conditional inference procedures for status and growth. Chapter 5 provides a summary of basic results of the new 2015 status norms and their properties. We then present selected results that address the changes we have found. Further remarks address the development and utility of the new school norms. The report concludes with six appendices consisting of tables of key aspects of the new 2015 RIT scale norms. Tables in Appendix A display student and school status norms. Appendix B contains tables that show marginal term-to-term growth norms for students and schools at each focal grade. Appendix C consists of a large (though not exhaustive) set of achievement percentile tables for both students and schools. The tables in Appendix D provide conditional growth norms while the tables in Appendix E provide the corresponding conditional growth percentiles. Finally, Appendix F consists of tables that give the status norms and percentiles for the MAP end-of-course tests: Algebra 1, Algebra 2, and Geometry.

2 Item and Test Event Pools, and Instructional Time

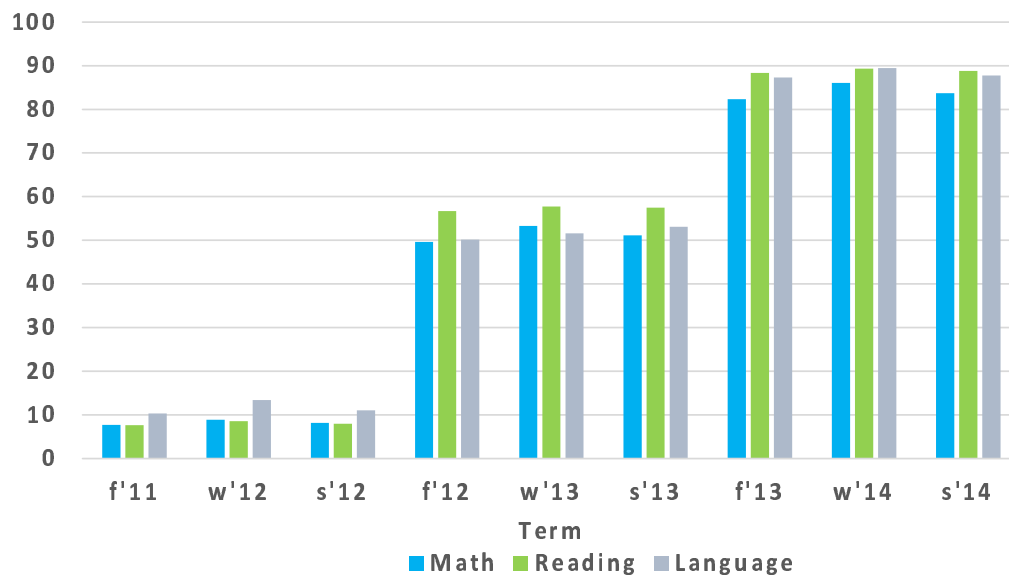
This chapter familiarizes the reader with the principal ingredients of the NWEA achievement and growth norms. All norms reported in this document are based on student performance on the *Measures of Academic Progress* (MAP) achievement tests. MAP content areas included reading, language usage, mathematics, and general science. All assessments were delivered as set-length computerized adaptive tests (CAT). Sub-scores (goal scores) as well as overall scores were reported. Norms were developed exclusively using overall scores.

The content frameworks for MAP tests have undergone dramatic shifts over the three year period covered by this study (academic years 2011-2012, 2012-2013, and 2013-2014). During year 1, roughly 90% of all MAP test events in reading, language usage, and mathematics were based on item pools that had been content-aligned to specific state content standards. During year 2, slightly less than 50% of MAP test events used item pools aligned to state content standards; the remaining tests were content-aligned to the specifications of the Common Core State Standards (CCSS) (National Governors Association Center for Best Practices, and Council of Chief State School Officers, 2010). In the final year, only slightly more than 10% of all MAP test events were based on item pools that were aligned to specific state content standards; the remaining nearly 90% of all test events were aligned to the CCSS. This shift to the CCSS is illustrated in Figure 2.1. Over the same time period, items employed in all MAP science tests were aligned to specific state content standards.

Regardless of the specific content specifications used to align item content, all MAP tests over the three year study period had a common number of items depending on the content area and the grade levels of the intended test takers. When a school district used all of the tests available for their state, there would be a minimum of 11 tests. These are shown nominally in Table 2.1. Occasionally, the grade level breakdown in a content area is specified differently in a state. This would result in different groupings of items and possibly in the number of tests in a content area. For example, in a particular state, it may be considered to be more consistent with curricular emphases adopted by the state to break general science into two grade groupings rather than the single grouping shown in Table 2.1. Such content reorganizations can be readily accommodated.

When content specifications call for the same knowledge, understandings, or skills, test items are typically shared across different tests. For any particular test in a content area for a specific grade range that requires a new set of content specifications, an item pool based on those specifications is created. Pool sizes can range from 1,500 to 4,500 items. Inclusion of CCSS-aligned tests along with state content-aligned tests, often in the same state, coupled with the three year time span covered by the study involved

Figure 2.1: Common Core tests as percentages of all MAP tests by content area by term and grade



the use of 1,907 separate item pools for the test results used in this study.

The tests in Table 2.1 that do not adhere to a standard grade or grade range designation are the end-of-course mathematics tests for Algebra 1, Algebra 2 and Geometry. As their names suggest, they are to be administered following formal instruction specific to their content. Except for their more focused, higher level content, these tests are structured in the same manner as the other mathematics tests for grades 2-5 and grades 6 and above. All items in these tests are calibrated to the NWEA mathematics RIT scale, thus they are employed in the estimation of growth in mathematics.

2.1 MAP Basics

While MAP tests may differ in their content and content structure, they all share a set of common features. All items in a common content area are calibrated to the same underlying scale using a one parameter logistic (1-PL) or Rasch model. The single parameter of the Rasch model refers to item difficulty. It supposes that an examinee with a specified ability will answer an item of a given difficulty level with a probability that is a function of the difference between examinee ability and item difficulty, both of which are measured on the same scale. With both items and persons occupying positions on the same scale, the task of selecting appropriately difficult items for a person whose ability is well-estimated is made much easier.

MAP is a computerized adaptive test, or CAT, in which items are administered sequentially and each item is selected to yield maximum information about the examinee's ability. MAP tests capitalize on the simple relationship between examinee ability and item difficulty - select and present an item of known difficulty, collect the examinee's response, use a Bayesian procedure (Owen, 1975) to estimate the examinee's ability from that response in conjunction with their responses to all previously administered items, and select another item that is closest to that estimate. As this cycle is repeated, each successive ability

Table 2.1: Number of Items per Test by Content Area

Content Area	Grades	Number of Items
Reading	K-1	54
	2-5	40
	6+	40
Mathematics	K-1	54
	2-5	50
	6+	50
	Algebra 1	50
	Algebra 2	50
Geometry		50
Language Usage	2-11	50
General Science	3-11	30

estimate is slightly more precise than the previous one until the error associated with the estimate is as small as it is likely to be in the test session. The result (final ability estimate, RIT score) is the person's location on the additive scale (RIT scale) that is qualified by a standard error of measurement (SEM). Characteristically, MAP tests yield ability estimates with SEMs that are less than .3 of a typical large sample standard deviation (Kingsbury & Hauser, 2004). Standard errors vary minimally across over 90% of the achievement range of a grade level. This makes MAP scores well suited for use in growth models as well as other statistical procedures that assume additive measures.

Tests can be administered to the same student up to four times per calendar year or three times per academic year. To control multiple presentations of the same items to the same examinee, an item lockout period is imposed. The lockout period prevents an item presented to an examinee during a test event from being presented in subsequent test events that occur over a specified period. For all tests events that make up this study, a item lockout period governs item exposure. There are no restrictions concerning specific timeframes or even times of the year in which tests may be administered. Test administration schedules are left entirely to schools and/or school districts or agencies.

Prior to releasing a MAP test for publication, it is subjected to a series of simulations to ensure that it operates as intended. These simulations allow test behavior to be evaluated for several characteristics deemed critical to its intended functioning. The primary characteristics include: a) the accuracy of recovery of true ability estimates of the simulated test takers, especially low and high ability test takers; b) the presence of any item pool weaknesses - depth and breadth; c) goal balancing; and d) success of item targeting given the simulated test taker's interim ability estimate.

Further details about the background, development, technical, and operational characteristics of MAP tests appear in the *Technical Manual for Measures of Academic Progress (MAP) and Measures of Academic Progress for Primary Grades (MPG)* (NWEA, 2011b).

Table 2.2: Age Cohorts K-11 in 2015 Norming Study

Grade	School Year		
	2011-12	2012-13	2013-14
12			11
11		11	10
10	11	10	9
9	10	9	8
8	9	8	7
7	8	7	6
6	7	6	5
5	6	5	4
4	5	4	3
3	4	3	2
2	3	2	1
1	2	1	K
K	1	K	

2.2 Test Event Pools

Data source. The source for candidate test event records was the Growth Research Database (GRD). The GRD is a repository of test event information (e.g., score, SEM, duration, test item pool, test date); accompanying information about demographics of the test taker (e.g., school, grade, gender, ethnic group membership); collateral information about items taken and their characteristics; as well as links to datasets from external agencies such as the National Center for Education Statistics' Common Core of Data (NCES-CCD). Created and maintained by Northwest Evaluation Association, the GRD currently holds over 370 million test event records, dating back to spring 2002. Roughly 99% of these records are from MAP tests.

Timeframe. The study timeframe included the testing terms of fall 2011, winter 2012, spring 2012, fall 2012, winter 2013, spring 2013, fall 2013, winter 2014, and spring 2014. Norms were built for a total of 12 cohorts (see Table 2.2), one each from kindergarten to grade 11, and *labeled by students' grade level during the 2012-2013 school year*. Any test event falling into one of these terms was treated as a candidate for inclusion if it met several eligibility criteria:

- Test was a survey with goals test as opposed to a survey test
- Test terminated normally - was full length and was not terminated by a proctor
- For RIT scores < 240 , $2 < SEM \leq 4.5$; for RIT scores > 240 , $SEM > 2$

These criteria were applied to all test event records falling in the study timeframe. In addition to the RIT score, several additional data elements were retrieved for each test record. These included:

- the test's scale key - e.g., mathematics, language usage
- SEM of the score

Table 2.3: Content Area Test Record Pools Broken Down by Size and Unduplicated Counts of Students, Schools, and School Districts

Content Area	Districts		Schools		Students		Test Events	
	N	%	N	%	N	%	N	%
Reading	6,627	31.9	23,530	34.4	10,231,031	38.9	46,363,348	40.9
Mathematics	6,207	29.8	23,712	34.7	10,292,641	39.1	46,375,330	40.9
Language Usage	5,333	25.6	14,604	21.4	4,128,780	15.7	15,328,518	13.5
General Science	2,639	12.7	6,540	9.6	1,663,004	6.3	5,216,168	4.6
<i>Totals</i>	20,806		68,386		26,305,456		113,283,364	

- the district identifier key
- the school identifier key
- the GRD-assigned student identifier key
- the student’s grade when the test was taken
- the student’s gender and ethnic group membership
- the term the test was taken
- the date the test was taken
- the district-specific instructional day on which the test was taken
- the summary of the test taker’s response times to items relative to items’ mean response times
- the specific test version that was taken
- the test’s Common Core status
- all relevant school-specific variables from the NCES-CCD Public School Universe dataset for the test taker’s school (see Chapter 3 for specific variables)

The structures of the resulting test record pools varied primarily by content area and, to a lesser extent by testing term. Table 2.3 provides a breakdown of the entire pool of test records, across all terms for each content area. This table points out the differences in percentages of test records available by content area. It also shows that the sizes of differences between the content areas shrinks when the origins of the test records (i.e., schools, districts) are taken into account.

Table 2.4 provides the focal grade by content area structure of the norms provided in this document by the type of norms (i.e., status and/or growth). These structures are broken down further in Table 2.5 to Table 2.8 which summarize the test records pools by state and grade level for each content area and the fall 2012 and spring 2013 testing terms - the focal year. Note that, due to relatively low testing rates of 12th graders, only status norms are available for grade 11 in reading, language usage, and mathematics.

In the case of general science, only status norms are provided in grades 9 and 10. Status norms for grade 9 and 10 describe the distributions of achievement in general science academic skills and content

Table 2.4: 2015 RIT Norms Content Area Coverage

Content Area	Grade											
	K	1	2	3	4	5	6	7	8	9	10	11
Reading	△	△	△	△	△	△	△	△	△	△	△	□
Language Usage			△	△	△	△	△	△	△	△	△	□
Mathematics	△	△	△	△	△	△	△	△	△	△	△	□
General Science				△	△	△	△	△	△	□	□	

△ Status and Growth Norms □ Status Norms only

knowledge for the relevant student populations. Partners have found the status norms for grades 9 and 10 for general science useful for many screening and placement purposes. Nevertheless, it is important to recognize that, where science content is more specialized, typically in classes such as biology, chemistry, or physics, the general science test results should not be used to evaluate performance in such topically differentiated high school science courses.

2.3 Instructional Time

MAP tests are administered on schedules determined by test users in schools, school districts and other educational entities. As a natural consequence of this feature, test administration can vary considerably between and even within school districts. Status and growth norms based on term or season designations for test administration are likely to be biased the further actual test administration times are from the modal testing time in the term. Moreover, even if test administration time periods had been mandated by NWEA, differences in instructional time for groups of test takers would not be accounted for. Both of these issues can be resolved when instructional time is explicitly taken into account in creating norms.

To capture instructional time, school district calendars were used to establish when schools’ instructional years began, when they ended, and which days were non-instructional days. District calendars from the 2013-2014 academic year were retrieved from targeted school districts that had administered a MAP test during the fall term. The districts targeted for the retrieval effort were those in the highest 80% of total tests administered. To ensure coverage across each state, a minimum of five district calendars was set for each state.

Default state calendars. To account for missing calendars and calendars that were not retrieved as part of the targeted limit imposed, state level default calendars were constructed from all other districts in the state. To construct each state calendar, the first day of school from all districts in the state for which calendars were available was retrieved. The “mean” of these starting dates was taken as the starting date for the default calendar. The number of instructional days mandated by the state was also retrieved. National holidays, specifically, Labor Day, Thanksgiving (Thursday and Friday), Martin Luther King Day, President’s Day, and Memorial Day) were flagged as non-instructional days. A set of two weeks was assumed associated with Christmas (Dec. 23 - Jan. 3) and was flagged as a non-instructional period. A one week spring break was flagged as non-instructional days, using the dates most common associated with the break in the available calendars from the state. Finally, state authorized non-instructional days (such as a day for professional development) were also flagged as non-instructional days. The final state default calendar was determined by using the starting date, adding successive days that were not flagged

Figure 2.2: Instructional Calendar Entry Tool

2013-2014 Academic Year																									
Month	M	Tu	W	Th	F	M	Tu	W	Th	F	M	Tu	W	Th	F	M	Tu	W	Th	F					
August				1	2	5	6	7	8	9	12	13	14	15	16	19	20	21	22	23	26	27	28	29	30
September	2	3	4	5	6	9	10	11	12	13	16	17	18	19	20	23	24	25	26	27	30				
October		1	2	3	4	7	8	9	10	11	14	15	16	17	18	21	22	23	24	25	28	29	30	31	
November					1	4	5	6	7	8	11	12	13	14	15	18	19	20	21	22	25	26	27	28	29
December	2	3	4	5	6	9	10	11	12	13	16	17	18	19	20	23	24	25	26	27	30	31			
January			1	2	3	6	7	8	9	10	13	14	15	16	17	20	21	22	23	24	27	28	29	30	31
February	3	4	5	6	7	10	11	12	13	14	17	18	19	20	21	24	25	26	27	28					
March	3	4	5	6	7	10	11	12	13	14	17	18	19	20	21	24	25	26	27	28	31				
April		1	2	3	4	7	8	9	10	11	14	15	16	17	18	21	22	23	24	25	28	29	30		
May				1	2	5	6	7	8	9	12	13	14	15	16	19	20	21	22	23	26	27	28	29	30
June	2	3	4	5	6	9	10	11	12	13	16	17	18	19	20	23	24	25	26	27	30				
July		1	2	3	4	7	8	9	10	11	14	15	16	17	18	21	22	23	24	25	28	29	30	31	

as non-instructional days until the number of instructional days that equaled the number of mandated instructional days was attained.

District and default state calendars were entered into a database using a custom designed entry screen (see Figure 2.2, below). The entry application required a data specialist to simply point to and click on a date of interest to either indicate that the date was the district starting school day for the year, the last day of the school year, or a non-instructional day. Errors could be corrected by re-clicking on a previously clicked (activated) day. Figure 2.2 shows a replica of the entry screen.

2.4 Constructing Instructional Calendars

These calendars, both actual and constructed defaults, served as templates for extrapolating calendars for the same district for the two prior academic years. The extrapolation process essentially identified non-instructional days in the “extrapolated” calendar that corresponded to non-instructional days in the template calendar. For example, a non-instructional day on the template calendar that occurred on the second Tuesday of October, would be used to set the second Tuesday of October on the extrapolated calendars as non-instructional days. Similarly, the number of days devoted to seasonal breaks (winter and spring) on the template calendar were used to specify these break times in the extrapolated calendars. Details of the process follow.

1. Build a list of common holidays used for the majority of breaks during the school year. The list should include Labor Day, Veterans Day, Thanksgiving, Christmas, New Years and Easter. All holidays occurring between January 1, 2010 and December 31, 2014 should be included. Assign each holiday a category code to reflect if the holiday is:
 - a) a specific date (e.g., Veterans day is November 11th);

- b) relative to a specific day of week (*e.g.*, Thanksgiving is the 4th Thursday of November); or
 - c) a special date (*e.g.*, Easter which is dependent on a date based on the lunar cycle).
2. Build a reference school year table for each district and each state from files containing the instructional calendar records. For each district and state, count the number of weekdays that were not excluded by the above procedure. Assign these the name of “instructional days.”
 3. As a first step for projecting the school year calendar to prior years, record the day of week of the start date and end date. The assumption going forward in the procedure is that the school year for a district will always start on the same day of week for each year.
 4. Build the list of contiguous breaks for each district and state.
 - a) Save the start date and end date of each break.
 - b) Tally the number of days and number of weekdays for each break and assign an “outage number” to each. This ensures that a particular type of outage contains the same number or weekdays.
 - c) Join two breaks if one ends on a Friday and the other starts on the following Monday. Assign this the name “break list.”
 5. Determine the date offsets needed for the prior years. Determine the differences in the day of week for January 1 between the reference school year and the other school years.
 - a) Repeat this for March 1.
 - b) Add these offsets to the dates from the reference year to translate them to the date that corresponds to the same day of week. (Example: the 2011-2012 school year has a fall adjustment of 3 days in relation to the 2013-2014 school year. Labor Day falls on September 2, 2013, adding 3 days for the 2011 year gives September 5, 2011.)
 - c) Apply the offsets for the year based on January 1 to dates in that year before March 1. Apply the adjustments for the year based on March 1 to dates on or after March 1. These steps also accommodate leap years.
 6. Link the “break list” (step 4) to the “date adjustments list” (step 5) to obtain the breaks for the prior years. Link the resulting list to the holiday list (step 1) to create a holiday break list. If a break starts on a Monday, treat the break as starting on the prior Saturday. If a break ends on a Friday, treat it as ending on the following Sunday for linking purposes. The expanded start and end times are there for holidays that fall on the weekend and are celebrated on the following Monday/preceding Friday.
 7. Build the school year table by linking the reference school year table (step 2) to the date adjustments list (step 5). This provides a way to set the start and end dates of each school year. Compute the number of days, the number of weekdays and the number of instructional days for each school year by counting the weekdays that are not in the holiday break list.
 8. Build the district date list by linking the school year table to the list of every day between January 1, 2011 and December 1, 2014. Use the holiday breaks list to mark each holiday contained in a break.
 9. Assign a sequential number for each instructional day (non-weekend/non-outage days) beginning on January 1 through December 31, 2014.
 10. Repeat step 9 for each school year.

Table 2.5: Unduplicated Count of Students with Reading Test Events in the Fall 2012 and Spring 2013 Terms by Grade by State

State	Grade											Total	State Percent			
	K	1	2	3	4	5	6	7	8	9	10		11	Students	Schools	State
AK	1627	2087	2182	2716	2563	2776	2644	2839	2598	2403	1920	970	27325	23.2	39.6	AK
AR	7540	7711	7688	7395	7548	7701	7365	7657	6185	6408	4509	4191	81898	18.7	24.1	AR
AZ	1926	3647	4581	4819	4653	4313	4333	4139	4100	1368	792	674	39345	4.0	5.4	AZ
CA	13711	16822	22873	22944	22758	23085	23004	20753	19508	12297	8929	7711	214395	3.8	9.1	CA
CO	12897	14255	24553	25323	25234	25420	27080	25758	23536	18591	16029	4677	243353	32.0	54.4	CO
CT	2401	4871	5521	5622	6566	6615	7018	7442	7754	5661	4265	1921	65657	13.4	24.7	CT
DE	820	1549	2963	803	764	900	610	608	598	371	334	133	10453	9.3	19.6	DE
FL	520	509	533	562	440	532	696	643	461	221	2258	192	7567	0.3	1.6	FL
GA	5899	5815	5719	4695	4591	4950	5007	4680	4337	1274	922	209	48098	3.1	7.7	GA
HI	562	577	585	493	462	477	178	130	122	312	120	91	4109	2.4	10.4	HI
IA	2642	3744	9580	14113	14903	14676	15307	15841	15894	13092	12520	8998	141310	32.8	47.4	IA
ID	1153	2894	2883	2935	2936	2882	2858	2883	2887	2911	87	40	27349	10.6	8.6	ID
IL	44887	53981	80846	87697	86325	87321	90669	91294	87144	30290	23694	10482	774630	41.9	46.8	IL
IN	10919	13065	14921	13134	12405	12966	13553	12614	11882	9315	4428	2279	131481	13.8	25.1	IN
KS	7069	8346	12699	14963	15007	15148	15675	16239	15685	14318	10740	4741	150630	35.1	47.1	KS
KY	27677	29175	29506	30083	29712	28847	32887	32200	31615	22039	15109	8375	317225	52.1	63.9	KY
LA	1559	1474	1327	958	1108	1192	1204	1121	829	449	263	265	11749	1.9	4.9	LA
MA	2987	3504	5250	7249	7365	7227	7098	7163	7109	5080	2738	135	62905	7.6	13.4	MA
MD	5341	5853	5684	17372	16852	16566	17320	17462	17070	5477	3123	989	129109	17.0	33.4	MD
ME	1886	2288	6443	9253	9420	9845	10883	10959	10756	8024	5409	788	85954	53.5	77.1	ME
MI	27534	28494	35787	38388	38009	37731	37927	35039	33112	20773	17848	11429	362071	25.8	37.6	MI
MN	14942	23482	52544	54896	53189	52181	51575	49926	44972	31065	16975	5296	451043	59.9	71.9	MN
MO	2092	2576	4081	2774	4029	2816	2644	2467	2200	1747	1387	300	29113	3.6	7.2	MO
MS	11413	11411	11899	11412	9473	10234	9594	9401	8698	4339	3646	1074	102594	22.9	35.2	MS
MT	2413	3057	4483	6360	6272	6288	6867	6756	6511	5518	4515	2106	61146	46.9	56.2	MT
NC	7758	10418	11009	10694	11340	11457	9369	8718	8213	3586	268	237	93067	6.8	12.1	NC
ND	4421	5076	7738	7802	7644	7411	7392	7106	7155	7414	6805	2612	78576	88.8	100.0	ND
NE	3530	4038	5329	8409	8106	8077	8190	8109	8024	5972	5675	4197	77656	29.2	63.2	NE
NH	1892	4217	7135	8394	8692	8835	9092	9168	8773	5669	4463	522	76852	44.4	74.4	NH
NJ	6140	9258	12712	15759	15125	15245	17000	15044	14408	5002	3937	1470	131100	11.4	20.9	NJ
NM	2523	3704	5168	5632	5488	5508	5672	5742	5664	5149	4456	3018	57724	18.8	74.5	NM
NV	3537	6270	7234	8669	8654	8649	8730	8256	8202	7898	1655	562	78316	19.4	43.8	NV
NY	18306	20590	21640	22711	22989	23836	24919	22753	22140	11487	9078	4776	225225	9.3	14.2	NY
OH	10649	14457	16011	13319	15615	14679	13891	13625	12722	16874	10226	3126	155194	9.8	25.1	OH
OK	2524	2897	2776	3200	3083	3114	3030	1896	2481	535	736	467	26739	4.6	8.3	OK
OR	440	647	1006	1070	968	998	856	774	717	565	293	316	8650	1.7	8.0	OR
PA	4220	8156	10385	10502	11839	11241	12586	11258	10628	7291	5796	2910	106812	6.7	14.1	PA
RI	278	466	1011	1064	1309	1732	2009	2054	2072	1946	1695	456	16092	12.6	19.1	RI
SC	23111	37833	51923	52032	51603	51732	52196	52290	50108	29312	12567	3018	467725	71.1	94.5	SC
SD	806	996	852	797	821	858	799	859	844	814	552	399	9397	8.1	9.4	SD
TN	727	670	735	670	669	1037	1237	668	606	421	348	104	7892	0.9	3.3	TN
TX	7343	8513	13971	13230	12277	13261	14915	15022	10606	5613	3047	2519	120317	2.7	6.0	TX
UT	4235	4627	4673	4878	4849	4712	4488	2909	2808	2944	2512	1111	44746	8.2	13.1	UT
VA	2865	2989	3006	3154	3077	3083	3347	3341	2723	1265	984	510	30344	2.7	8.2	VA
VT	265	444	436	605	577	596	772	754	671	856	616	175	6767	9.0	19.1	VT
WA	9368	13169	22240	31496	30756	32802	35297	34835	34238	21388	11850	3705	281144	29.6	45.1	WA
WI	13875	24679	35216	41650	41548	42041	44475	44372	42840	28654	16685	8687	384722	51.5	64.1	WI
WV	827	864	904	841	834	783	889	850	903	535	473	341	9044	3.6	4.4	WV
WY	8117	7837	7598	7250	7256	6888	6911	6926	6900	6597	5119	2211	79610	95.8	100.0	WY
Total	350174	444002	605839	660787	657703	661264	682058	663343	630009	401130	272396	125515	6154220	14.1	25.0	

Table 2.6: Unduplicated Count of Students with Mathematics Test Events in the Fall 2012 and Spring 2013 Terms by Grade by State

State	Grade											Total	State Percent			
	K	1	2	3	4	5	6	7	8	9	10		11	Students	Schools	State
AK	1611	2097	2173	2723	2573	2786	2675	2850	2622	2449	1822	1077	27458	23.3	39.6	AK
AR	7490	7683	7697	7435	7587	7709	7380	7728	6503	5735	3095	2284	78326	17.9	25.3	AR
AZ	1928	3641	4586	4821	4650	4305	4339	4150	4098	1490	890	667	39565	4.0	5.4	AZ
CA	13516	16699	22825	23070	22992	23768	24154	21484	18954	10291	8576	7062	213391	3.7	9.9	CA
CO	12913	13939	24475	25352	25257	25460	27041	25648	23490	18430	15352	4525	241882	31.8	54.1	CO
CT	2398	4884	5646	5672	6565	6642	7065	7383	7726	5707	4216	2016	65920	13.5	25.3	CT
DE	986	1722	1694	805	769	901	616	607	602	338	310	70	9420	8.3	13.9	DE
FL	520	510	539	518	441	531	696	659	464	249	2214	210	7551	0.3	1.6	FL
GA	5652	5592	8786	7402	7371	7648	7549	7111	6718	1158	892	185	66064	4.3	10.2	GA
HI	566	583	587	487	433	494	179	129	113	905	278	128	4882	2.9	10.1	HI
IA	2650	3811	9670	14164	15205	14963	15446	15861	15863	12026	12003	8789	140451	32.6	48.5	IA
ID	2687	2903	2881	3099	3166	3074	3025	3223	3038	2928	2542	42	32608	12.6	15.7	ID
IL	44614	54876	81708	87764	86239	87294	90687	91265	86938	28155	23610	10849	773999	41.8	47.0	IL
IN	10929	13019	14884	13108	12396	12953	13444	12470	11616	4934	2602	1314	123669	13.0	24.7	IN
KS	7325	9104	12479	14996	15024	15148	15577	16073	15515	13957	10274	4917	150389	35.1	46.7	KS
KY	27551	29107	29467	30127	29698	28837	32946	32242	31601	21443	14258	8585	315862	51.9	64.2	KY
LA	1558	1468	1326	972	1108	1194	1205	1116	832	415	322	281	11797	1.9	4.9	LA
MA	2371	3001	5530	7031	7109	7012	6773	6662	6681	4621	2324	171	59286	7.1	13.5	MA
MD	16951	17568	17210	15925	14233	13969	10696	10009	9446	1948	1212	657	129824	17.1	31.1	MD
ME	2166	2581	6758	9335	9682	9931	10802	10980	10793	8191	6036	1093	88348	54.9	77.1	ME
MI	27605	28745	36209	38774	38443	38052	38022	35302	32923	20611	17908	11671	364265	25.9	37.7	MI
MN	15301	24055	52560	53436	51612	50348	49518	47971	43926	29977	16340	9599	444643	59.0	71.0	MN
MO	2121	2631	4308	2990	4230	3023	2857	2703	2335	1638	1210	481	30527	3.7	7.0	MO
MS	11402	11395	11873	11403	9460	10206	9552	9385	8711	4216	3486	1021	102110	22.7	35.2	MS
MT	2394	3045	4737	6610	6509	6415	6987	6804	6629	5786	4932	2238	63086	48.4	57.1	MT
NC	7760	10505	10985	10699	11293	11767	9377	8696	8215	3459	332	228	93316	6.8	12.7	NC
ND	4393	5040	7728	7823	7623	7416	7373	7113	7170	7500	6620	2531	78330	88.5	100.0	ND
NE	3553	4041	5330	8397	8101	8087	8167	8142	8040	6013	5714	4182	77767	29.2	63.3	NE
NH	1818	4126	7203	8448	8742	8875	9133	9206	8824	6010	4690	677	77752	44.9	74.4	NH
NJ	5959	8935	12394	15349	14712	14522	17435	15295	14554	5580	4320	2027	131082	11.4	20.7	NJ
NM	2576	4343	5233	5441	5410	5496	5688	5752	5622	5080	4497	3110	58248	18.9	74.4	NM
NV	3531	9133	8689	8669	8662	8670	8734	8262	8253	7753	1572	503	82431	20.4	43.8	NV
NY	19078	21339	21825	22708	22888	24126	24740	22284	21325	7945	6369	3720	218347	9.0	14.3	NY
OH	10544	14240	15829	14895	17186	16016	14026	14020	13127	16453	10035	3343	159714	10.0	24.8	OH
OK	2527	2916	2789	3204	3154	3077	3017	1862	2483	813	702	468	27012	4.6	8.3	OK
OR	499	655	1095	1169	1051	1069	849	747	755	688	407	348	9332	1.8	8.8	OR
PA	4257	8378	10394	10532	11855	11413	12188	10566	9901	7018	5913	2958	105373	6.6	13.8	PA
RI	279	465	1014	1118	1360	1790	2060	2069	2136	2400	2224	861	17776	14.0	20.4	RI
SC	22817	37728	51894	52092	51608	51731	52258	52320	50428	28447	12079	3385	466787	70.9	94.2	SC
SD	801	993	853	793	821	852	798	885	871	853	561	398	9479	8.2	9.0	SD
TN	725	672	736	665	670	1029	1252	622	600	321	278	34	7604	0.9	3.4	TN
TX	7368	8490	14082	15555	14865	16436	18437	18301	13233	6515	3043	2488	138813	3.1	6.2	TX
UT	4230	4630	4668	4865	4832	4710	4483	2923	2805	3003	2512	718	44379	8.1	13.1	UT
VA	2972	2985	3015	3155	3074	3082	3330	3130	2358	794	147	56	28098	2.5	8.4	VA
VT	263	446	502	656	610	633	783	784	692	870	626	195	7060	9.4	20.7	VT
WA	9469	13101	22333	31327	30679	32799	35101	34665	33631	20146	11310	5081	279642	29.5	45.3	WA
WI	18746	24772	35161	41656	41548	42114	44550	44442	42901	28338	16480	8582	389290	52.1	63.9	WI
WV	826	865	907	840	838	786	896	856	908	561	450	191	8924	3.6	4.4	WV
WY	8112	7837	7597	7245	7256	6889	6918	6930	6894	6387	5177	2127	79369	95.5	100.0	WY
Total	368308	461294	622864	665320	661590	666048	680824	659687	623863	380545	262762	128143	6181248	14.1	25.2	

Table 2.7: Unduplicated Count of Students with Language Usage Test Events in the Fall 2012 and Spring 2013 Terms by Grade by State

State	Grade											Total	State Percent			
	K	1	2	3	4	5	6	7	8	9	10		11	Students	Schools	State
AK			1939	2595	2508	2750	2589	2769	2532	2409	1913	915	22919	23.6	37.8	AK
AR			2109	4197	4253	4713	4644	4967	3408	3060	2054	2170	35575	9.8	20.7	AR
AZ			685	1778	1744	1661	2959	2883	2865	678	484	430	16167	2.0	4.3	AZ
CA			13269	15005	15228	15255	11080	10529	10513	3253	3029	3068	100229	2.1	6.8	CA
CO			9570	12602	13482	15383	16146	14372	13209	8532	6994	2658	112948	18.0	44.7	CO
CT			775	4025	4086	3829	3785	3938	4402	3691	3087	1277	32895	8.0	17.7	CT
DE			.	16	.	16	.	.	.	1	1	.	34	0.0	4.8	DE
FL			79	179	205	207	401	396	333	128	1614	99	3641	0.2	0.6	FL
GA			2572	3803	3648	4120	4384	4028	3885	511	489	169	27609	2.2	4.7	GA
HI			179	251	229	213	89	34	30	209	36	22	1292	0.9	4.9	HI
IA			2091	5684	6166	6452	7004	6815	7030	6270	6542	5395	59449	16.8	30.0	IA
ID			883	1220	1190	898	434	661	527	3	38	49	5903	2.8	8.1	ID
IL			10938	15388	15412	16387	18506	20358	20499	8216	6913	3275	135892	8.7	17.7	IL
IN			11516	11379	10911	11818	12060	11009	10510	7493	2759	1304	90759	11.4	20.8	IN
KS			1468	2413	2551	2744	2544	3254	3180	3583	3202	1549	26488	7.5	19.9	KS
KY			13995	19442	20860	19940	23072	21431	20626	11925	9866	6184	167341	33.2	55.9	KY
LA			264	461	438	731	724	569	256	76	48	.	3567	0.7	2.8	LA
MA			376	605	483	398	438	535	568	302	178	65	3948	0.6	5.9	MA
MD			468	1278	1221	1231	335	356	299	582	388	319	6477	1.0	3.5	MD
ME			1753	2446	2786	3049	3951	4224	4158	2764	1905	269	27305	20.3	42.4	ME
MI			13643	25868	25926	26277	27688	26082	24126	16202	13789	8406	208007	17.5	30.2	MI
MN			2819	4026	3805	4508	4862	4847	3756	3231	1960	825	34639	5.5	20.5	MN
MO			1069	1444	1751	1440	1296	1937	1725	964	574	126	12326	1.8	4.1	MO
MS			9454	10710	9160	10003	9259	9002	8396	4068	3480	1051	74583	20.2	33.2	MS
MT			1299	3879	3836	3961	4601	4227	4203	3462	3218	1900	34586	32.1	48.3	MT
NC			1667	4466	4762	4896	4782	4434	4033	2737	50	37	31864	2.8	4.9	NC
ND			4249	5302	5257	5269	4995	4692	4752	4753	4404	1362	45035	61.9	85.3	ND
NE			2195	6118	5682	5848	6010	5846	5781	5019	4906	3484	50889	23.2	52.8	NE
NH			2244	3240	3550	3992	4271	4700	4962	2568	1794	280	31601	21.4	50.0	NH
NJ			3201	6221	5690	6050	6505	5523	5080	2476	2159	1014	43919	4.6	13.2	NJ
NM			1573	1959	1799	1855	1929	1743	1755	2668	2364	1603	19248	7.6	60.5	NM
NV			1067	1360	1526	1680	1386	2033	1957	918	406	89	12422	3.7	25.6	NV
NY			3030	6658	6626	7037	6433	6286	5856	4101	3762	1529	51318	2.5	6.2	NY
OH			2775	6549	6478	6604	7101	6489	6293	7831	5179	2276	57575	4.3	13.6	OH
OK			284	455	477	378	416	192	190	250	376	215	3233	0.7	5.2	OK
OR			31	71	91	97	80	98	94	102	137	161	962	0.2	3.9	OR
PA			770	1109	1093	1457	2203	1822	1693	897	364	230	11638	0.9	4.9	PA
RI			.	206	483	455	452	422	420	981	959	192	4570	4.3	10.2	RI
SC			20774	23972	23815	23840	25412	26238	25158	11710	4820	1266	187005	34.3	72.6	SC
SD			34	230	256	313	305	324	338	335	151	126	2412	2.6	4.8	SD
TN			371	421	431	849	1043	452	444	167	145	21	4344	0.6	2.4	TN
TX			3707	7763	7691	7904	6365	5852	2945	1036	755	258	44276	1.2	4.3	TX
UT			2619	4654	4557	4409	4217	2913	2809	2956	2512	1120	32766	7.3	12.9	UT
VA			379	1040	1328	1672	1406	1349	1332	682	437	104	9729	1.0	4.9	VA
VT			348	503	507	539	597	474	518	716	457	70	4729	7.6	17.4	VT
WA			519	1375	1333	1335	2179	2524	2488	2476	2061	1116	17406	2.2	16.0	WA
WI			10584	18813	18792	19205	24266	23757	21705	9926	6918	1770	155736	24.9	40.2	WI
WV			578	729	711	690	530	519	526	130	112	102	4627	2.2	4.1	WV
WY			4426	4544	4723	4845	5254	4895	5024	4831	3945	1522	44009	64.8	79.7	WY
Total			170638	258452	259537	269203	280988	272800	257189	161879	123734	61472	2115892	5.8	15.4	

Table 2.8: Unduplicated Count of Students with General Science Test Events in the Fall 2012 and Spring 2013 Terms by Grade by State

State	Grade											State Percent				
	K	1	2	3	4	5	6	7	8	9	10	11	Total	Students	Schools	State
AK				346	386	408	340	434	382				3241	5.5	16.3	AK
AR				337	743	1647	1569	2624	1250				9310	4.2	7.0	AR
AZ				491	1768	407	486	524	1575				6173	1.2	2.3	AZ
CA				23	136	651	627	595	688				3157	0.1	0.5	CA
CO				2135	5720	10602	11912	14504	10713				68032	17.8	34.0	CO
CT				.	163	391	644	1258	938				5681	2.3	5.7	CT
DE				.	.	.	76	14	21				159	0.3	1.4	DE
FL				143	194	386	534	529	335				2299	0.2	0.5	FL
GA				1524	1438	1393	1425	1254	1082				8500	1.1	1.5	GA
HI				64	255	59	106	64	60				974	1.2	2.4	HI
IA				3954	5007	5421	6912	8588	9826				59285	28.0	30.2	IA
IL				2010	4005	2853	5966	7415	6656				34212	3.7	4.7	IL
IN				300	327	380	748	1192	1098				5357	1.1	2.0	IN
KS				261	739	276	913	1237	1069				7447	3.5	8.4	KS
KY				6211	11805	4203	6251	9104	4383				51792	17.1	27.9	KY
LA				402	426	670	679	707	510				3520	1.1	1.8	LA
MA				.	.	63	.	.	.				202	0.0	0.3	MA
MD				225	307	569	226	230	364				3178	0.9	2.1	MD
ME				303	407	455	1123	1764	1807				8585	10.6	17.7	ME
MI				5461	9820	7485	8034	10648	7279				62165	9.0	17.6	MI
MN				2049	2437	3468	3446	3247	3765				21157	5.7	10.1	MN
MO				203	676	1214	1195	1627	1553				7788	1.9	2.0	MO
MS				64	144	957	79	.	203				1819	0.8	6.1	MS
MT				674	970	1021	1083	1495	1532				9275	14.4	23.6	MT
NC				233	351	1330	560	389	999				4467	0.6	1.7	NC
ND				796	942	1118	1230	1393	1409				11976	27.9	41.9	ND
NE				2750	3008	3907	3621	3870	4647				33171	25.4	43.7	NE
NH				197	235	415	439	468	607				2906	3.3	9.2	NH
NJ				307	461	639	996	969	1121				4914	0.8	2.9	NJ
NM				261	520	479	737	1197	1213				8709	5.7	18.0	NM
NV				309	456	768	853	1695	2114				9735	4.8	13.5	NV
NY				65	555	846	3491	3882	3020				15848	1.3	1.2	NY
OH				4715	5537	7592	7341	8701	9078				63534	8.0	14.5	OH
OK				130	111	145	585	584	980				2892	1.0	0.9	OK
OR				26	28	37	28	37	31				246	0.1	0.5	OR
PA				253	503	250	215	551	675				3120	0.4	1.5	PA
RI				198	180	202	193	169	177				2237	3.5	3.6	RI
SC				2285	2029	2279	3435	3732	3993				18302	5.6	9.3	SC
SD				14	25	34	20	38	55				394	0.7	2.8	SD
TN				340	181	374	562	174	170				2061	0.5	1.4	TN
TX				7076	9029	10828	10415	10315	8407				57950	2.6	3.8	TX
UT				267	2492	2405	2472	1977	1955				14982	5.4	7.4	UT
VA							134	0.0	0.9	VA
VT				.	.	2	29	26	22				139	0.4	3.3	VT
WA				302	2064	3803	3382	4555	4587				24377	5.2	9.1	WA
WI				1388	1614	1901	3938	4923	4969				23763	6.5	8.9	WI
WV				8	14				22	0.0	0.1	WV
WY				654	1231	850	1860	2632	2378				15085	36.8	48.6	WY
Total				49754	79439	85183	100776	121331	109696				704272	3.3	6.9	

3 Reference Population and Post-Stratification Weighting

As was shown in Chapter 2 (Table 2.5 to Table 2.8), MAP tests are administered in virtually all states in the U.S. The vast majority of tests are administered in reading, language usage, and mathematics in grades kindergarten through 11. These facts were taken as justification for focusing on the English-speaking students who attended U.S. public schools as the reference population for the study. As we have also discussed in Chapter 2, the pool of examinees in our data archive represents the NWEA partner base in the 2012-2013 school year. It is reasonable to expect that the available examinees at any point in time reflect to some unknown changes in MAP usage patterns, in addition to an evolving make-up of the U.S. English-speaking school-age population. By itself, it is questionable whether data from our examinee pool adequately informs the patterns of performance of all U.S. English-speaking school-age students. Norming results that are based on such data alone would reflect baselines specific to the NWEA partner base. Thus, a first step towards building nationally representative norms from the convenience sample represented by the NWEA examinee pool is to consider how NWEA examinees differ from the students in the target population on factors that might influence their achievement.

To extend inferences to the U.S. English-speaking school-age population, knowledge about differences in the joint distributions of NWEA (sampled) and non-NWEA (un-sampled) schools, certain key observed features in the population can be exploited to construct “population weights.” Applying such weights to the available sample of schools achieve results which better reflect those key school features in the population. This approach to post-stratification adjustment of the data in hand is a common strategy in cases where stratification prior to sample selection is impossible (Holt & Smith, 1979; Pike, 2007). This is the case when large convenience samples, such as those from the NWEA client data-base (in the GRD), are the primary data source. Post-stratification is also often applied when one suspects that simple random sampling or systematic sampling, upon comparing sample and population distributions of key attributes describing the units, may not have been entirely satisfactory.

Generally speaking, suppose that the student i is individually selected with a uniform probability of p_i and the population weight for the student’s school j from a suitable post-stratification analysis is W_j . The total weight for a student i ’s observed score in an analysis would be W_j/p_i . In the 2011 NWEA norms study, post-stratification of examinees was accomplished using a composite index constructed from 13 school level variables extracted from the National Center for Education Statistics’ Common Core of Data in the Public School Universe (NCES-CCD-PSU) dataset (Sable & Plotts, 2010). Post-stratification in that study was focused on estimating population weights for post-stratifying the available NWEA schools in each state to better represent schools in the state. The weights were employed in a statistical model to estimate achievement and growth norms simultaneously for the U.S. school age population.

Table 3.1: NCES Variables Used in Post-stratification Weighting

NCES Variable	SCI Variable	NCES Description	Notes / Codes
ULOCAL11	School locale	urban-centric locale code	Used only the portion of the variable without the size/distance portion, resulting in the categories of 1 = city 2 = suburb 3 = town 4 = rural
TYPE11	School type	code for school type	1 = Regular 2 = Special education 3 = Vocational (not included) 4 = Other/alternative 5 = Reportable program (not included)
LEVEL11	School level	School level by low and high grades served	1=Primary (Low=PreK-3; High=PreK-8) 2=Middle (Low=4-7; High=4-9) 3=High (Low=7-12; High=12 only) 4=any other (e.g., 2-10)
TITLEI11	Title I	Title I Eligible	1=Yes 2=No
MAGNET11	Magnet	Regardless of the source of funding, a magnet school or program is a special school or program designed to attract students of different racial/ethnic backgrounds for the purpose of reducing, preventing, or eliminating racial isolation and/or to provide an academic or social focus on a particular theme 1=Yes 2=No	
CHART11	Charter	A school that provides free elementary and/or secondary education to eligible students under a specific charter granted by the state legislature or other appropriate authority 1=Yes 2=No	
MEMBER11	-	Total students, all grades	Used for calculation only, not used directly in SCI
TOTFRL11	Prop. FRL	Total of free lunch eligible and reduced-price lunch eligible.	Used for calculation only, not used directly in SCI
AM11	-	Total American Indian, Alaska Native students	Used for calculation only, not used directly in SCI, used to calculate the proportion of ethnic variable
BLACK11	-	Total Black students	Used for calculation only, not used directly in SCI, used to calculate the proportion of ethnic variable
-	Proportion of ethnic minority	-	Proportion of "ethnic" students calculated as (AM11 + HISP11 + Black11) / MEMBER11
FTE11	Staff FTE	Total full-time equivalent classroom teachers	

Table 3.2: Distributions of Continuous NCES Variables Contributing to the School Challenge Index by NWEA School Affiliation

SCI Variable	NWEA			Percentile			N
	Affiliated	Mean	SD	Median	5 th	95 th	
Proportion Free/Reduced Lunch Eligible	Yes	0.48	0.29	0.45	0.05	0.95	22,347
	No	0.50	0.95	0.50	0.01	0.94	69,426
Proportion of Ethnic Students (African Amer., Hispanic, Native Amer.)	Yes	0.33	0.32	0.19	0.02	0.96	22,447
	No	0.40	0.33	0.30	0.02	0.97	70,268
Staff Full Time Equivalent	Yes	3.15	0.79	3.26	1.71	4.23	22,447
	No	3.18	0.93	3.33	1.22	4.39	70,268

3.1 School Challenge Index (SCI)

The school-level variables employed in the 2011 study were selected for the longstanding attention they have received in the research literature, and discussions of educational policy¹. Each variable had been the topic of or accounted for in hundreds of research studies ranging from their effects on achievement and learning to their inclusion in policy development. In view of their relevance as well as their well-established history in the research literature, the variables used in the 2011 study were brought forward for use in the current study. These variables or the combinations of variables created from them, are presented in Table 3.1. All data were taken from the NCES-CCD-PSU datasets for 2008 through 2011.

It should be noted that, while the variables listed in Table 3.1 are common across states, state-specific demographics and adopted policies can and do cause their definitions, and as a result their distributions, to vary, sometimes widely, between states. The distributions of these variables across schools by NWEA affiliation are provided in Table 3.2 and Table 3.3. These results show that, among public schools in the U.S. in 2011, NWEA served a lower proportion of minority students on average, more rural schools, less special educational-focused schools, and more charters. Overall the differences between NWEA and other U.S. public schools at large do not appear to be dramatic. However, the factors on which NWEA schools are different are known to be strongly related to student achievement and school effectiveness. In constructing norms that are useful for all U.S. public schools, prudence dictates that these differences be addressed.

A common approach for developing population weights for schools may be illustrated by assuming that post-stratifying will be based on two school-level variables measuring student ethnic and free-and-reduced-priced lunch status composition. Both are categorical variables and many cells in the resulting joint distribution may contain no students of interest. In practice, some collapsing of the categories is needed to attain workable cell numbers. The concern, therefore, is that the post-stratification weights take on different meanings as cells in the joint distribution are collapsed, or if a category needs to be deleted in one margin or another. This is a frequently encountered problem, and one that becomes more likely as the number of categorical variables that is required to achieve accurate weights increases. It is often difficult to produce weights to reflect adequately a multi-factor distribution, a situation that is made more difficult when both continuous and categorical variables need to be considered.

¹This section draws heavily from Chapter 3 of the 2011 RIT Scale Norms Study.

If post-stratification is to be based on comparing the distributions of sampled units and units in the population on a large number of factors, three approaches are plausible. The first is to work with the joint distribution of the factors, as indicated above, if all factors are categorical or categorized (if it is originally a continuous variable). The problems with empty cells noted above can be a huge stumbling block when the numbers of variables and categories increase. A second approach is to employ a dimensional reduction analysis, such as the *Mahalanobis distance* metric (Mahalanobis, 1936), or factor scores from a one-factor factor analysis model. These methods are generally available for continuous variables but working with a mix of both continuous and categorical variables would require a far greater level of sophistication. Furthermore, it is often hard to explain what the resulting dimension represents. This has persuaded some users to consider approaches akin to the third alternative.

A strategy for using as much of the information from a large number of variables, categorical or continuous, in post-stratification might draw upon the idea of the propensity score as a solution to matching units on a large number of dimensions (Rosenbaum & Rubin, 1983). The probability that a unit receives treatment is the propensity score for that unit. This probability is generally based on a logistic regression of treatment status for a group of units (treated and untreated) on a number of relevant covariates (whether categorical or continuous). The idea is that treatment and control units within a suitable range on their propensity score are considered “similar” in terms of their shared covariate profiles and so the difference on their outcomes can be more justifiably attributed to the treatment in question.

While the original intent of propensity score analysis is to support causal inference in observational studies and quasi-experiments, its key methodological insight has far greater application. At the core of the propensity score proposal is the insight that units can be matched efficiently on a large number of factors, once the information from a regression among those same factors may be reduced to a single dimension.

This third approach is exemplified by the Similar Schools Index (SSI) designed by the State of California to facilitate the ranking of their schools (State of California DOE, 2000). It employed school-level testing results as the outcome in a regression on a large number of school-level demographic, community, and structural information to characterize the performance of schools in relation to the factors under which they operate. Deriving a single dimension on which schools may be compared in this way serves to effectively compare the schools across multiple dimensions. We believe that post-stratifying schools on such an index can lead to norming results that better represent the U.S. English-speaking school-age population. Thus, the SSI is a useful point of departure for understanding the School Challenge Index (SCI).

It is well understood that schools serve students with wide ranging needs. As schools operate within an even wider range of conditions, evaluators are rightly skeptical about comparisons of school effectiveness that do not also take into account well-known differences in the challenges schools individually face every day. The SCI was introduced in the 2011 NWEA norming study as a new measure of how schools in a state compare in terms of the challenges and opportunities they operate under as reflected by an array of factors they do not control. This school measure generally taps the collective economic circumstance of its students. It also offers a broader view of the “economic strain” schools experience as seen through a relevant set of socio-demographic, organizational, and educational policy programming factors. Unlike the California SSI, however, no achievement data enter into its definition. This decision was made to avoid potentially prejudicing schools across strata when they are later evaluated on their student’s achievement results.

The SCI is based on school-level variables (see Table 3.1). Examination of the (2008 to 2011) year-to-year variation in the distributions of these variables suggested that the latest dataset (2011) may not always

Table 3.3: Distributions of Categorical NCES Variables Contributing to the School Challenge Index by NWEA School Affiliation

SCI Variable	Category	NWEA Affiliated				Total
		Yes		No		
		N	%	N	%	
School Locale	City	5,321	23.7	18,945	27.0	24,266
	Suburb	5,700	25.4	20,070	28.6	25,770
	Town	3,318	14.8	8,992	12.8	12,310
	Rural	8,108	36.1	22,261	31.7	30,369
School Type	Regular	21,578	96.1	65,514	93.2	87,092
	Special Ed	191	0.9	1,337	1.9	1,528
	Alternative/Other	678	3.0	3,417	4.9	4,095
School Level	Primary (PreK-Grade 8)	12,999	57.9	39,336	56.0	52,335
	Middle (Grades 4 - 9)	4,243	18.9	12,156	17.3	16,399
	High (Grades 7 - 12)	4,146	18.5	14,334	20.4	18,480
	Other	1,059	4.7	4,442	6.3	5,501
Title 1 Eligible	Yes	16,343	72.8	51,033	72.6	67,376
	No	5,525	24.6	16,438	23.4	21,963
	Missing/Not reported	579	2.6	2,797	4.0	3,376
Magnet School	Yes	702	3.1	2,188	3.1	2,890
	No	15,740	70.1	52,207	74.3	67,947
	Missing/Not reported	6,005	26.8	15,873	22.6	21,878
Charter School	Yes	1,603	7.1	3,843	5.5	5,446
	No	16,940	75.5	60,951	86.7	77,891
	Missing/Not reported	3,904	17.4	5,474	7.8	9,378

provide the best representation of the school’s level of challenge, due principally to missing or unreported data. The distributions for these variables are presented in Table 3.2 and Table 3.3 for all schools in the NCES-CCD-PSU dataset for 2011.

The SCI aims to measure the level of challenge a school faces in terms of the socio-economic composition of its student body and as moderated by other related factors such as the ethnic make-up of its students, the kind of assistance they receive (e.g., Title 1), or the environment it operates within such as its location (e.g., city, rural), size, school level (e.g., elementary, high school), and emphasis (e.g., magnet, charter). Broadly, four steps were followed in constructing an SCI estimate for a school for each of the years 2008-2011. For each year, these steps included:

Step 1: Transformation of Variables The variables in Table 3.1 are first transformed. The general approach is to turn categorical variables into a set of dummy variables, variables representing counts with known baseline numbers (such as the number of White students in a school) are converted into log-odds, or logit units, and variables showing dramatic skew such as the number of full-time staff and pupil-teacher ratio are log-transformed. The key variable for the SCI is of course the proportion of students who received free-or-reduced-priced lunch and it is analyzed in its logit transform as well.

Step 2: Data Completeness Data are first cleaned. Some variables, such as whether a school is a char-

ter school or is a magnet school, are not present in a some states. These variables are dropped. In some states, one or several of the available variables may have some missing values. Multiple imputation is conducted using Markov chain Monte Carlo with multiple chains for arbitrary missing data patterns (as implemented by SAS[®] PROC MI)². The imputation approach applies to all variables without distinguishing their role as predictors or outcomes in subsequent analysis. The number of imputed datasets range from 5 (less than 5% missing), 7 (5% to less than 10% missing), 10 (10% to less than 20% missing), and 12 if more than 20% of the data are missing. They also represent a rather cautious strategy for handling of missing data.

Step 3: Regression For each of the four years the logit-transformed proportion of free-and-reduced-priced lunch program recipients in a school, y_{tj} , is regressed on all other school variables. In essence, the predicted values from this model represent the economic challenges faced by a school in each year that are also explained by the other school-level factors spanning the predictor space of the model. It is a view of economic strain seen through a set of similarly compelling factors differentiating the schools. The predicted value, \hat{y}_{tj} , is the result for school j in year $t = 2008, 2009, 2010, 2011$.

Step 4: Create the SCI The predicted value for each year of a school is treated as repeated measures in a two-level hierarchical model with the school as the nesting unit. The model is coded such that the intercept estimates the predicted outcome in 2011. Suppose that the predicted value for school j in year $t = 2011$ is \hat{y}_{0j} , an analysis with about 92,000 schools gave the grand mean and parameter standard deviation estimates $\hat{\mu} = 0.029$ and $\hat{\sigma} = 1.352$, respectively. The reliability of \hat{y}_{0j} is estimated to be 0.88 overall. Schools account for about 88% of the variance. The normalized predicted values are then re-scaled to give the SCI for school j :

$$SCI_j = 50 + 21.06 \left[\frac{\hat{y}_{0j} - \hat{\mu}}{\hat{\sigma}} \right].$$

The rescaling places the SCI on a scale similar to the normal curve equivalent, or NCE, so that SCI scores typically distributed about a mean of 50 and a standard deviation of 21.06. For practical use, its score is rounded to an integer with a range between 1 and 99.

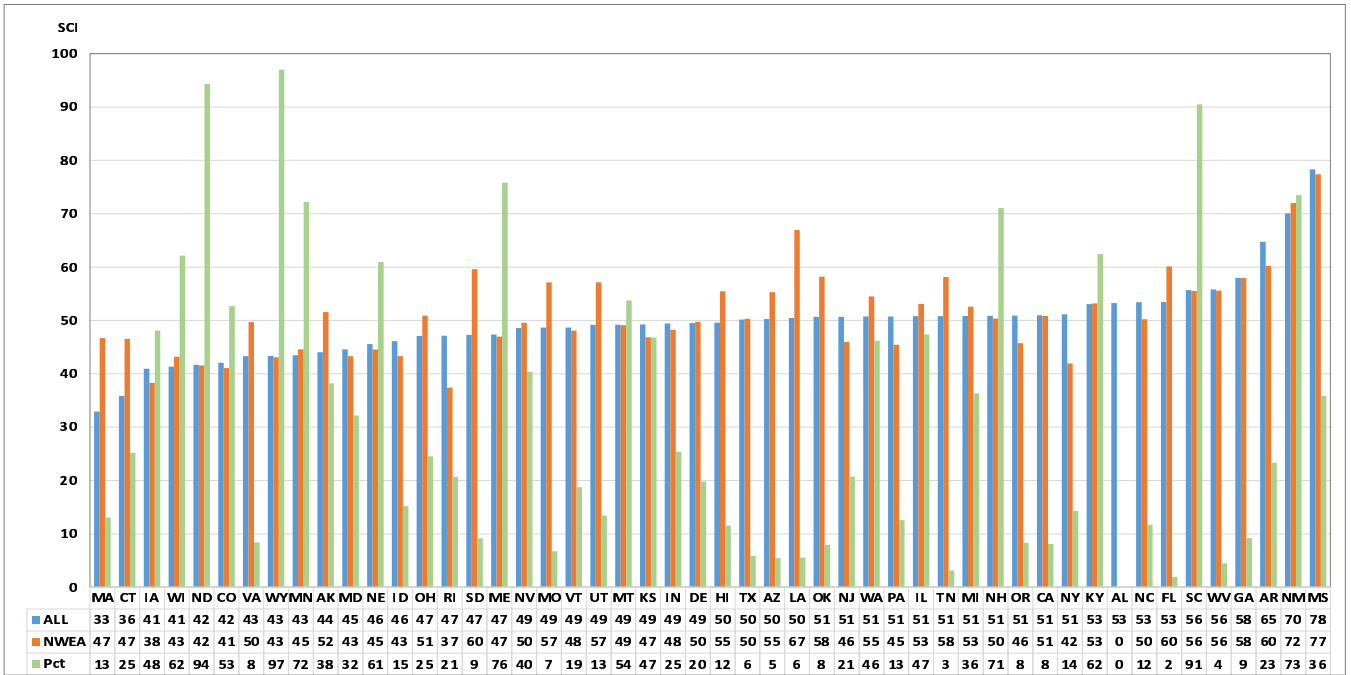
Using this strategy, post-stratifying on the conditional distribution for a single variable, the predicted proportion of examinees on free-and-reduced-priced lunch, has replaced the post-stratifying on the joint distribution of a multitude of other pertinent and correlated school-level factors. Not only is the outcome of this procedure more efficient to execute, it is also more easily communicated when compared with the Mahalanobis distance (which is the standard multivariate alternative).

Unlike the SCI that was constructed for the 2011 norms, the present SCI is not specific to the state in that it provides a means for comparing public schools across the country. Figure 3.1 shows the average SCI of NWEA affiliated schools (orange bars) against the average SCI for each state (blue bars), with state SCIs ordered from low (schools facing relatively few challenges to fulfilling their mission) to high (schools facing relatively severe challenges).

As expected, the SCI indicates that schools in Massachusetts and Connecticut face relatively little challenge in fulfilling their mission. On the opposite end of the SCI scale are schools in Mississippi, New Mexico, and Arkansas. Students in these states have higher levels of poverty compared with other states.

²SAS[®] is a registered trademark of SAS Institute, Cary, NC.

Figure 3.1: SCI by State and NWEA Affiliation



Therefore, we would expect schools in these states to be at the high end of the SCI scale. These results suggest that the SCI is functioning as intended, and should be a suitable candidate for creating school-level weights for any sizable subgroup of schools in the target population. Also strongly suggested by Figure 3.1 is that weighting appears to be necessary because the proportions of NWEA partners among public schools in a state, as represented by the green bars, do not mirror those of public school in the state.

3.2 Constructing Post-stratification Weights

Unlike the weights employed in the *2011 RIT Scale Norms Study*, weighting is specifically aimed at the school-level. All students within a selected school are included in the study. The reasons are two-fold. First, it is often the case that not all students at a grade level are tested at an NWEA partner school. Second, we lack information, at both the national level and in the GRD, at about the students themselves to appropriately sample at the student level.

To construct school-level weights from the SCI, we first identify schools by their SCI deciles. If P_d^{NWEA} is the proportion of NWEA schools and P_d^{ALL} is the proportion of all schools in SCI decile d , the population weight for a school j in SCI decile d is

$$W_j = \frac{P_d^{ALL}}{P_d^{NWEA}} \cdot$$

This procedure is repeated for each subject and grade-level because not all NWEA partners test on the same subjects or serve the same grade-levels.

Finally, it was desirable to maintain a large and relatively constant number of schools, of about 1,500

Table 3.4: Post-stratification Weights for Mathematics Norms by Grade and SCI Decile

Grade	Statistic	School Challenge Index (SCI) Decile										Summary
		1	2	3	4	5	6	7	8	9	10	
K	N	80	105	140	143	157	171	188	133	166	145	1428
	Weight	1.015	1.303	1.112	1.196	1.117	1.025	0.883	1.128	0.822	0.555	1.015
1	N	87	125	134	169	149	162	190	147	152	110	1425
	Weight	0.932	1.092	1.159	1.010	1.174	1.079	0.872	1.018	0.896	0.730	0.996
2	N	83	112	135	163	166	198	177	152	162	105	1453
	Weight	0.996	1.243	1.173	1.067	1.075	0.900	0.954	1.004	0.857	0.780	1.005
3	N	96	137	137	166	186	172	157	148	149	110	1458
	Weight	0.864	1.019	1.160	1.052	0.962	1.040	1.080	1.035	0.935	0.747	0.989
4	N	78	144	124	178	169	173	170	156	131	121	1444
	Weight	1.053	0.961	1.269	0.971	1.049	1.024	0.988	0.972	1.053	0.672	1.001
5	N	93	119	132	185	196	156	183	137	144	98	1443
	Weight	0.883	1.162	1.192	0.934	0.904	1.135	0.917	1.106	0.958	0.829	1.002
6	N	73	147	173	188	198	138	174	142	127	92	1452
	Weight	1.131	0.946	0.915	0.925	0.900	1.291	0.970	1.074	1.093	0.889	1.013
7	N	64	124	165	187	183	153	151	121	128	139	1415
	Weight	1.258	1.093	0.935	0.906	0.949	1.135	1.089	1.228	1.056	0.573	1.022
8	N	72	148	198	189	169	147	124	98	115	119	1379
	Weight	1.089	0.893	0.759	0.874	1.002	1.151	1.293	1.478	1.146	0.653	1.034
9	N	60	154	212	203	206	151	116	114	113	82	1411
	Weight	1.338	0.878	0.725	0.832	0.841	1.147	1.414	1.300	1.193	0.969	1.064
10	N	70	163	229	191	185	145	112	97	106	69	1367
	Weight	1.111	0.803	0.651	0.857	0.907	1.157	1.419	1.480	1.232	1.116	1.073
11	N	28	145	218	184	198	150	130	104	104	75	1336
	Weight	2.714	0.883	0.668	0.869	0.828	1.093	1.195	1.349	1.228	1.003	1.183

schools (unweighted), out of a total N_{Total} NWEA schools eligible for each grade by subject analysis. To achieve this result, a sampling fraction $f = 1,500/N_{Total}$ is defined so that the school weight employed for the analysis is

$$w_j = \frac{W_j}{f}.$$

The results, for mathematics and reading, are reported in Table 3.4 and Table 3.5, respectively. The clear variation from grade-to-grade, decile-to-decile, and across the two subjects validates the recognition in this study that a single set of weights would not adequately meet the challenges posed by the data.

Table 3.5: Post-stratification Weights for Reading Norms by Grade and SCI Decile

Grade	Statistic	School Challenge Index (SCI) Decile										Summary
		1	2	3	4	5	6	7	8	9	10	
K	N	70	99	134	150	162	168	194	155	154	141	1427
	Weight	1.160	1.381	1.161	1.139	1.081	1.042	0.855	0.967	0.885	0.570	1.024
1	N	84	125	134	172	150	184	182	137	151	118	1437
	Weight	0.973	1.101	1.169	1.000	1.176	0.958	0.918	1.102	0.909	0.686	0.999
2	N	73	126	144	178	176	183	174	168	135	97	1454
	Weight	1.133	1.105	1.101	0.978	1.014	0.975	0.971	0.909	1.029	0.844	1.006
3	N	75	130	150	161	201	171	171	138	147	114	1458
	Weight	1.106	1.074	1.059	1.084	0.890	1.046	0.991	1.110	0.948	0.720	1.003
4	N	80	122	142	175	185	171	178	144	143	116	1456
	Weight	1.035	1.143	1.118	0.996	0.966	1.045	0.951	1.062	0.973	0.707	1.000
5	N	84	140	151	171	189	158	165	125	151	117	1451
	Weight	0.983	0.993	1.047	1.016	0.942	1.127	1.022	1.219	0.918	0.699	0.997
6	N	65	147	178	209	162	167	159	144	121	102	1454
	Weight	1.272	0.947	0.890	0.833	1.102	1.068	1.063	1.060	1.148	0.803	1.019
7	N	69	113	155	195	187	162	142	124	123	150	1420
	Weight	1.171	1.204	0.999	0.872	0.932	1.076	1.163	1.203	1.103	0.533	1.025
8	N	78	169	200	172	190	136	120	95	125	113	1398
	Weight	1.020	0.792	0.762	0.973	0.903	1.261	1.354	1.545	1.069	0.697	1.038
9	N	77	142	217	208	196	154	139	109	106	75	1423
	Weight	1.051	0.960	0.715	0.819	0.891	1.134	1.190	1.371	1.283	1.069	1.048
10	N	59	157	239	186	183	145	137	90	107	61	1364
	Weight	1.315	0.832	0.622	0.878	0.915	1.154	1.157	1.592	1.218	1.260	1.094
11	N	30	140	220	193	197	144	127	101	105	74	1331
	Weight	2.524	0.911	0.659	0.826	0.829	1.134	1.218	1.384	1.211	1.013	1.171

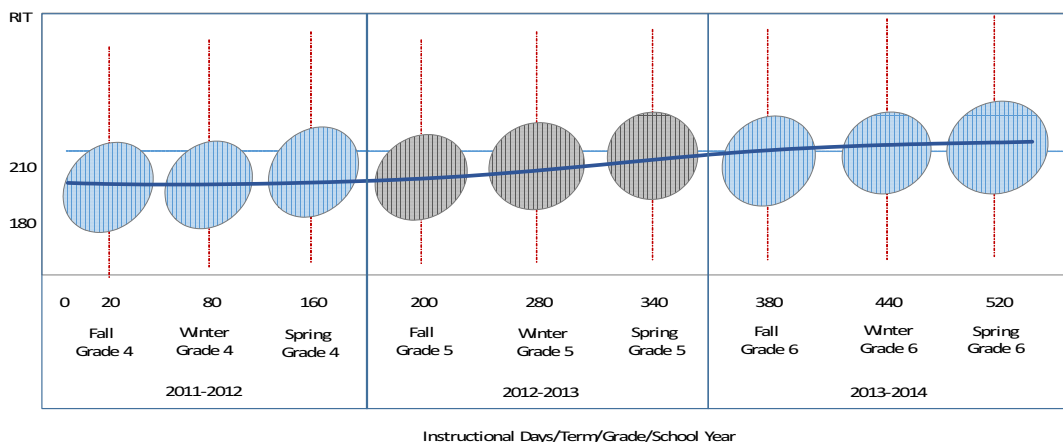
4 Achievement Status and Growth Norms for Students and Schools

In previous chapters, we have discussed the construction of the time variable, instructional days (or weeks) in Section 2.3, in the growth model. Similarly, we have shown in Sections 3.1-3.2 how school-level population weights are developed from the SCI. This chapter discusses the statistical models underlying the 2015 MAP achievement and growth norms for use with US school-age English-speaking students.

Figure 4.1 provides a cross-sectional sketch of the data employed in the analyses for focal grade 5, *i.e.* those students who attended 5th grade in the 2012-2013 school year. The ellipses represent the joint distributions of MAP scores and instructional days for each of the 9 terms considered. The solid blue line is a plausible fitted curve for the set of MAP scores employed to estimate growth for the focal grade (which is grade 5, and ellipses are grey in color). However, the high-level view of the data shown in Figure 4.1 should not mask the nested nature of the data employed. In settings where scores are nested within students, and students within schools, and in which there is substantial variation between student growth trajectories and between schools in the population, multi-level models provide a more defensible description of the growth of achievement over time (Bryk & Raudenbush, 1987; Raudenbush, 2001; Raudenbush & Bryk, 2002).

As we shall show, our approach to estimating conditional growth norms largely avoids many of the concerns scholars have regarding how gains in achievement might be defined, measured, or modeled (Braun,

Figure 4.1: Data layout by Instructional Days



1988; Cronbach & Furby, 1970; Good, Biddle, & Brody, 1975; Harris, 1963; Harris, 2007; Linn & Slinde, 1977; Mellenbergh, 1999; Rogosa, 1995; Seltzer, Frank, & Bryk, 1994; Thum, 2003; Willett, 1988; Williams & Zimmerman, 1996; Yen, 2007). As we have argued in the 2011 RIT Scale Norms Study (NWEA, 2011a, p. 26)

“... we measure achievement status and not growth. Growth is an inference, a result that is based solely on an acceptable descriptive model of change in achievement status over time.”

This approach is further clarified in Thum (2015, p. 251). The details of our procedure are the focus of the remaining sections of this chapter.

4.1 Mixed-effects Growth Model

Within each age-cohort (labeled $g = 0, 1, \dots, 12$), we estimate a mixed-effects growth model to describe the growth of students nested within schools over time. The age-cohort label g is selected so that it also identifies the “focal grade” of its students. To simplify notation however, we suppress reference to age-cohort or focal grade in the remainder of this section. Each student i from school j within an age-cohort obtains a RIT score Y_{tij} at term $t = 1, 2, \dots, t, \dots, n_{ij}$. The multilevel model, specified by Equation 4.1,

$$\begin{aligned} \text{Within Student : } & Y_{tij} = \mathbf{a}'_{tij}\boldsymbol{\pi}_{ij} + e_{tij} \\ \text{Between Students : } & \boldsymbol{\pi}_{ij} = \boldsymbol{\beta}_j + \mathbf{r}_{ij} \\ \text{Between Schools : } & \boldsymbol{\beta}_j = \boldsymbol{\gamma} + \mathbf{u}_j \end{aligned} \quad (4.1)$$

along with the components of variance

$$e_{tij} \sim N(0, \sigma_{tij}^2) \quad \mathbf{r}_{ij} \sim \text{MVN}(\mathbf{0}, \mathbf{T}_\pi) \quad \mathbf{u}_j \sim \text{MVN}(\mathbf{0}, \mathbf{T}_\beta),$$

describes the distributions of student and school score trends in each age-cohort. As presented, Equation 4.1 specifies a random coefficient regression model. When only some of the coefficients vary within or between schools, as is likely in our application, the more general mixed-effects formulation for the student score vector \mathbf{Y}_{ij} is

$$\mathbf{Y}_{ij} \sim \text{MVN}(\mathbf{A}_{ij}\boldsymbol{\gamma}, \boldsymbol{\Sigma}_{ij}), \quad (4.2)$$

where

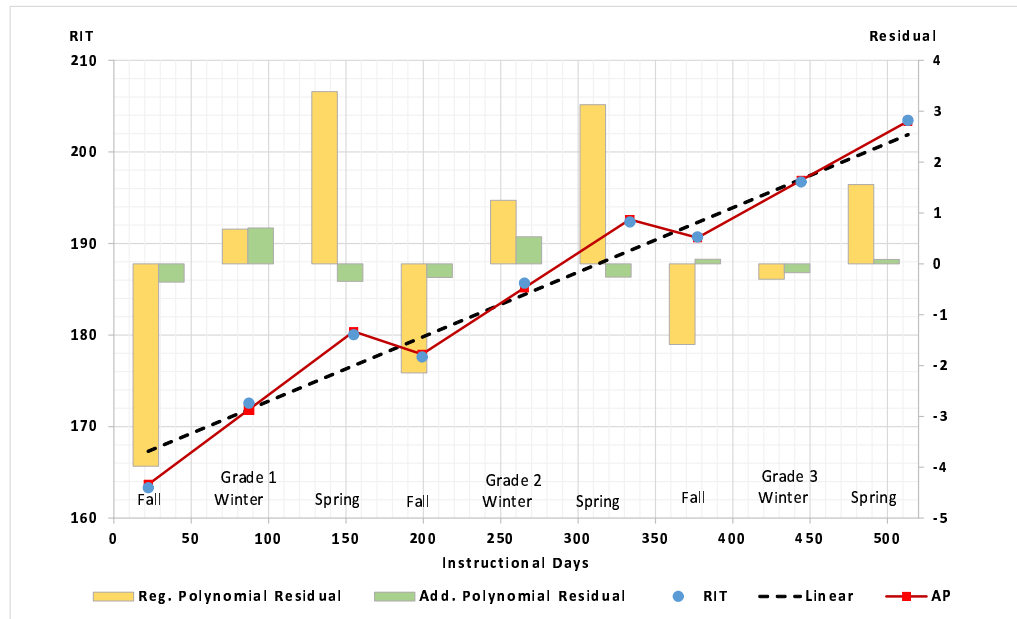
$$\boldsymbol{\Sigma}_{ij} = \mathbf{A}_{ij}\mathbf{H}_3\mathbf{T}_\beta\mathbf{H}'_3\mathbf{A}'_{ij} + \mathbf{A}_{ij}\mathbf{H}_2\mathbf{T}_\pi\mathbf{H}'_2\mathbf{A}'_{ij} + \text{diag}\{\sigma_{ij}^2\}.$$

\mathbf{H}_2 and \mathbf{H}_3 are selection matrices which identify, respectively, the random coefficients among $\boldsymbol{\pi}_{ij}$ for students and $\boldsymbol{\beta}_j$ for schools with variance-covariances \mathbf{T}_π and \mathbf{T}_β . The elements of this model are explained next, beginning with the choice of the growth model design \mathbf{A}_{ij} .

4.1.1 Additive Polynomials

Longitudinal growth data, such as the NWEA MAP student assessments, have clear seasonal or periodic patterns. First, although student growth may be quite unique, there is the marked deceleration in the rate of learning growth over grade levels when one takes a cross-sectional view of the data. Then, there is also the ubiquitous discontinuity in the so-called “summer drop” between Spring and Fall. These features combine to give MAP growth trends a multiphasic character for which additive polynomials are more

Figure 4.2: Illustrative comparison of an additive polynomial model to the regular polynomial model for focal grade 2 MAP mathematics means



suitable when compared with regular or piece-wise polynomial models. Thum and Matta (2015) have shown that the additive polynomial model removes systematic biases and hence provides better fit to such data, reduces auto-correlation among errors and thus better meets the distributional assumptions of linear models. A sum of polynomials, which is at the core of the additive polynomial model, provides a flexible approach to fitting essentially non-linear curves with periodic or seasonal patterns.

The illustrative example in Figure 4.2 compares the best-fitting polynomial (a linear) to the best-fitting additive polynomial model for a single series of cross-sectional means of 1st, 2nd, and 3rd graders in mathematics. In this example, the residual variance for the additive polynomial model is 0.30, which is much smaller in magnitude than 6.27 for the linear model. The Bayesian Information Criteria (BIC) for the models are 26.2 and 45.9, respectively. It is clear from this example that a regular polynomial model would have over-smoothed the data series, resulting in over-predicted scores in the Fall and under-predicted scores in the Spring. We have found that over-smoothing is more likely to occur in the lower grade levels and, as a result, under-estimates of the drop in scores over the summer are also larger.

A useful starting point for understanding the additive polynomial is the piece-wise regression model for three assessments (Fall, Winter, and Spring terms) from three adjacent school years (2011-2012, 2012-2013, 2013-2014), as illustrated in Figure 4.2. Generally, suppose that a suitable polynomial is fitted to the data within each grade g , with the intercept, linear, quadratic, etc., model terms in $\mathbf{X} = \text{diag}[\mathbf{X}_{g-1}, \mathbf{X}_g, \mathbf{X}_{g+1}]$ and the corresponding vectors of regression coefficients are denoted by

$$\zeta = [\zeta_{g-1}, \zeta_g, \zeta_{g+1}]$$

or

$$\mathbf{X}_{g-1} = \mathbf{X}_g = \mathbf{X}_{g+1} \quad \text{and} \quad \mathbf{X}_g = \begin{matrix} & \zeta_{0,g} & \zeta_{1,g} & \zeta_{2,g} \\ \text{Fall} & \begin{bmatrix} 1 & 0 & 0 \end{bmatrix} \\ \text{Winter} & \begin{bmatrix} 1 & 1 & 1 \end{bmatrix} \\ \text{Spring} & \begin{bmatrix} 1 & 2 & 4 \end{bmatrix} \end{matrix}.$$

An additive polynomial is obtained by a reparameterization of ζ such that $\mathbf{X} \cdot \zeta = \mathbf{X} \cdot \mathbf{L} \cdot \pi$. Suppose that a rank-appropriate choice of \mathbf{L} results in $\mathbf{X} \cdot \mathbf{L} = \mathbf{A}$, where each row of \mathbf{A} corresponds to \mathbf{a}'_{tij} , the additive polynomial model vector for student i from school j at term t in Equation 4.1. For example, each column in

$$\mathbf{L} = \begin{bmatrix} 1 & -1 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & -1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 \\ 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 \\ 1 & 1 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 \end{bmatrix}$$

reparameterizes the regression coefficient describing the trajectories of Fall intercepts $[\zeta_{0,g-1}, \zeta_{0,g}, \zeta_{0,g+1}]$, the within-grade linear $[\zeta_{1,g-1}, \zeta_{1,g}, \zeta_{1,g+1}]$ and quadratic growth coefficients $[\zeta_{2,g-1}, \zeta_{2,g}, \zeta_{2,g+1}]$, etc. separately across the grade levels of the piece-wise regression model. Hence, post-multiplying \mathbf{X} by \mathbf{L} gives the additive polynomial growth model matrix

$$\mathbf{A} = \begin{matrix} & \pi_{0ij} & \pi_{1ij} & \pi_{2ij} & \pi_{3ij} & \pi_{4ij} & \pi_{5ij} \\ \mathbf{a}'_{1ij} & \left[\begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} \right. & \begin{bmatrix} -1 \\ -1 \\ -1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{bmatrix} & \begin{bmatrix} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{bmatrix} & \begin{bmatrix} 0 \\ 1 \\ 2 \\ 0 \\ 1 \\ 2 \\ 0 \\ 1 \\ 2 \end{bmatrix} & \begin{bmatrix} 0 \\ -1 \\ -2 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \end{bmatrix} & \begin{bmatrix} 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 1 \end{bmatrix} \end{matrix} \quad (4.3)$$

π_{ij} in Equation 4.3 are regression coefficients describing the inter-phase changes in key aspects of the regular polynomial model for each phase or segment that makes up the complete data series for student i in school j . The reparameterization of ζ_{tij} by \mathbf{L} results in regression coefficients measuring (a) π_{0ij} , the predicted g^{th} grade Fall MAP score, (b) π_{1ij} , the linear rate of change of Fall scores, (c) π_{2ij} , the quadratic rate of change of Fall scores, (d) π_{3ij} , the predicted g^{th} grade linear growth rate, and (e) π_{4ij} , the linear rate of change in within-grade linear growth rate, and (f) π_{5ij} , the predicted g^{th} grade quadratic growth coefficient of student i from school j .

In this application, the elements in \mathbf{A} reflect when, in terms of instructional day, student i is assessed. That is, growth model design constants in \mathbf{X} , and hence in \mathbf{A} , depend on time (*i.e.*, instructional day) or the occasion on which a test actually occurs.

We employ $i\text{Day} = 0, 1, 2, \dots, 540$ to represent instructional days over three school years (assuming that there are 180 instructional days each school year). To ease communication and, more importantly, to mitigate against multi-collinearity due to scaling effects of the model matrix, we work with instructional weeks, $i\text{Wk} = i\text{Day}/5$, instead. Generally, the coding of $i\text{Wk}$, and thus the additive polynomial growth model constants, also depend on the school year, such that

1. $i\text{Wk}_{tij} = (i\text{Day}_{tij} - 0.0 \times 180 - 20)/5$ if $\text{Grade} = g - 1$ and $i\text{Day}_{tij} \leq 180$, and

$$\mathbf{a}'_{tij} = [1.0 \quad -1.0 \quad 1.0 \quad iWk_{tij} \quad -iWk_{tij} \quad iWk_{tij}^2]$$

2. $iWk_{tij} = (iDay_{tij} - 1.0 \times 180 - 20)/5$ if Grade = g and $180 < iDay_{tij} \leq 360$, and

$$\mathbf{a}'_{tij} = [1.0 \quad -0.0 \quad 0.0 \quad iWk_{tij} \quad 0.0 \quad iWk_{tij}^2]$$

3. $iWk_{tij} = (iDay_{tij} - 2.0 \times 180 - 20)/5$ if Grade = $g + 1$ and $iDay_{tij} > 360$, and

$$\mathbf{a}'_{tij} = [1.0 \quad 1.0 \quad 1.0 \quad iWk_{tij} \quad iWk_{tij} \quad iWk_{tij}^2]$$

where, within each school year, $iDay_{tij}$ is centered at 20 if g is not K or not 12; otherwise a regular polynomial with

4. $iWk_{tij} = (iDay_{tij} - 200)/500$, and

$$\mathbf{a}'_{tij} = [1.0 \quad iWk_{tij} \quad iWk_{tij}^2 \quad iWk_{tij}^3]$$

is employed instead. This is because the additive polynomial is unsuitable for the kindergarten and 12th age-cohorts for lack of data. Note that, after taking when in the student's instructional calendar the student tested, \mathbf{a}'_{tij} now depends on iWk_{tij} .

4.1.2 Using Scores as Outcomes

A well-constructed test provides the student with a result that is both valid and accurate. It is useful to think of the result as a measurement composed of an estimate of the student's "true" achievement and the *standard error of measurement* or SEM, which indicates the precision of the "true" achievement estimate. Like many other testing programs, MAP reports scores along with their conditional SEMs¹. Although SEMs should be routinely reported and used when interpreting scores, score changes and differences according to Standard 2.13 of the *Standards for Educational and Psychological Testing* (AERA, APA, & NCME, 2014, p. 45), it is a practice that is sometimes ignored when test scores are evaluated or analyzed. Consequences of such casual practice may be substantial.

For example, an observed score is often compared with a given cut-score in placement decisions or in concluding that a student is, or is not, proficient. Unfortunately, the basis of such judgments is weak as they only consider whether the comparative result is numerically different from zero. This practice is hard to defend because it ignores the error in the observed score. In this example, the student has in fact only a 50% chance meeting or exceeding the cut-score when the student's score is numerically equal to the benchmark. A clearer indication that the student meets or exceeds the cut-score, one which is consistent with the psychometric quality of the student's score, is when the student's observed score is nearly $2 \times$ SEM above, or below, the benchmark.

The problem is exacerbated when measurement error is ignored or, equivalently, is assumed to be absent in more complex analyses. First, the error structure of a statistical model is misspecified because measurement error is in fact assumed to be numerically zero and only sampling error enters into the model.

¹Test reliability is often introduced in discussions about score quality although the meanings and values of these concepts should not be conflated. Like Harvill (1991, p. 183), we agree that SEMs may be usefully employed to support statements about the precision of individual examinee scores on a test in ways not supported by the reliability coefficient of the test.

Statistical inference under miss-specified models leads to misleading conclusions. Second, biased point estimates and poor estimates of precision are also likely to occur whenever scores vary significantly in precision (Thum & Xiang, 2010, Appendix A).

To account for measurement error in our analyses, we employ a well-worn strategy first introduced, in the context of modeling assessments, by Bryk, Thum, Easton, and Luppescu (1998) and subsequently deployed by Thum (2006, 2015) and NWEA (2011a). The approach is based on standard weighted least-squares estimation of heteroscedastic errors when estimates of error variances are known (*e.g.*, Pindyck & Rubinfeld, 1981). It is also a strategy exploited by Raudenbush and Bryk's (1985) "V-known" random-effects model for meta-analysis.

This strategy assumes that the squared SEM provides a suitable estimate of measurement error variance. Rescaling the true-score model for the observed score by the inverse of the score SEM and restricting the model error variance to a value of 1.0 will have suitably incorporated measurement error into an analysis. For example, suppose that the square of the SEM, s_{tij}^2 , associated with the observed score Y_{tij} for student i from school j is an acceptable estimate of $\text{Var}(e_{tij}) = \sigma_{tij}^2$ in the student growth model from Equation 4.1. Rescaling the model by $1/s_{tij}$ gives

$$Y_{tij}^* = \mathbf{a}_{tij}^{*'} \boldsymbol{\pi}_{ij} + e_{tij}^* \quad (4.4)$$

where $Y_{tij}^* = Y_{tij}/s_{tij}$, $\mathbf{a}_{tij}^{*'} = \mathbf{a}_{tij}'/s_{tij}$, and $\text{Var}(e_{tij}^*) = 1.0$. Estimation of the rescaled model is easily accomplished in programs that give users the ability to fix the values of variance-components.

4.1.3 Estimation

Estimation of the mixed-effects growth model implied by Equation 4.1 and Equation 4.4 was carried out using HLM[©] Version 7 (Raudenbush, Bryk, Cheong, Congdon, & duToit, 2011), using the school-level weights described in Chapter 4.

4.2 Deriving Achievement and Growth Norms

For the required combinations of subject and grade-level, we obtain the fixed-effect estimates $\hat{\gamma}$ and their variance-covariance matrix $\text{Var}(\hat{\gamma})$, as well as the between-student and between-school true-parameter variance-covariance matrices $\hat{\mathbf{T}}_{\pi}$ and $\hat{\mathbf{T}}_{\beta}$, respectively. Relying on asymptotic normality assumptions (*e.g.*, Newey & McFadden, 1994, p. 2143), we employ these results to construct marginal and conditional inferences about individual students, as well as grade-level aggregates of achievement status and growth that constitute what is generally referred to as "the norms."

4.2.1 Achievement Status Norms

Writing \mathbf{a}_{tij} at instructional week $i\text{Wk}_t$ as \mathbf{a}_t , the predicted achievement status for students and schools is

$$\hat{Y}_t = \mathbf{a}_t' \hat{\gamma} \quad (4.5)$$

with standard error

$$\text{se}(\hat{Y}_t) = \sqrt{\mathbf{a}_t' \text{Var}(\hat{\gamma}) \mathbf{a}_t} . \quad (4.6)$$

The predicted standard deviation of a student score Y with SEM s_t obtained at iWk_t for any grade and subject may be shown to be

$$SD_s(Y_t) = \sqrt{\mathbf{a}'_t \text{Var}(\hat{\gamma}) \mathbf{a}_t + \mathbf{a}'_t \mathbf{H}_3 \hat{\mathbf{T}}_\beta \mathbf{H}'_3 \mathbf{a}_t + \mathbf{a}'_t \mathbf{H}_2 \hat{\mathbf{T}}_\pi \mathbf{H}'_2 \mathbf{a}_t + s_t^2}. \quad (4.7)$$

These results are employed in estimating the normative standing of a score Y_t ,

$$p_s(Y_t) = Pr(Y_t \leq y_t) = \int_{-\infty}^{y_t} \phi(z) dz$$

in probability, where z is the standard normal deviate. Here, z is defined as $z_s(Y_t) = (Y_t - \hat{Y}_t)/SD_s(Y_t)$, and $100 \times p_s(Y_t)$ gives the corresponding *student* normative percentile.

We propose similar results that are most pertinent to evaluating the performance of school grade-levels. Specifically,

$$SD_S(Y_t) = \sqrt{\mathbf{a}'_t \text{Var}(\hat{\gamma}) \mathbf{a}_t + \mathbf{a}'_t \mathbf{H}_3 \hat{\mathbf{T}}_\beta \mathbf{H}'_3 \mathbf{a}_t} \quad (4.8)$$

is the predicted standard deviation for grade-level school (true) score at iWk_t . Analogous to the student achievement status percentile, we define $z_S(Y_t) = (Y_t - \hat{Y}_t)/SD_S(Y_t)$, and $100 \times p_S(Y_t)$ gives the corresponding *school* normative percentile.

Table A.1 shows the results for student and school achievement status norms in Mathematics and Reading. Results for Language Usage and General Science are found in Table A.2. The corresponding student achievement percentiles for fall, winter, and spring and all subjects are found in Table C.1.1 through Tables C.1.12. School achievement percentiles are found in Table C.2.1 through Tables C.2.12.

4.2.2 Growth Norms

We begin with the presumption that a student takes two tests, the first is called the *pre-test* at iWk_t and the second *post-test* at iWk_{t+1} . The gain in scores between two tests may be compared with the gains made for tests taken at the same times with *marginal gain norms*. More informative comparisons are *conditional growth norms*. In such comparisons, the student's *gain* (or more generically *growth* in the case when more than two tests are available) during this period is to be evaluated against the performance of the student's *academic peers*, that is, students who have taken the same tests, at the same times, and who have the same RIT score on the pre-tests. Aside from evaluation of a student's specific gains, growth norms are also useful when a prediction about the student's future outcome is formed from knowledge of the student's first test score. Such projections for example are common in classroom "goal setting" exercises.

Marginal Growth Norms

Suppose that student i receives pre-test and post-test scores $\mathbf{Y} = [Y_t, Y_{t+1}]$ on instructional weeks iWk_t and iWk_{t+1} , such that $iWk_t < iWk_{t+1}$. In addition, let $\mathbf{A} = [\mathbf{a}'_t, \mathbf{a}'_{t+1}]$ and the SEMs for the scores are the diagonal elements of $\hat{\mathbf{E}} = \text{diag}[s_t^2, s_{t+1}^2]$, respectively. Then, defining the contrast

$$\mathbf{C} = \begin{bmatrix} \mathbf{c}'_1 \\ \mathbf{c}'_2 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ -1 & 1 \end{bmatrix},$$

we obtain

$$C\mathbf{Y}_i = \begin{bmatrix} Y_{t,1} \\ Y_{t+1} - Y_t \end{bmatrix} = \begin{bmatrix} Y_t \\ G_i \end{bmatrix} \begin{matrix} \text{Starting RIT} \\ \text{Gain} \end{matrix} .$$

From this definition, the expected marginal predicted gain from iWk_t to iWk_{t+1} is simply

$$\hat{G} = \mathbf{c}'_2 \mathbf{A} \cdot \hat{\gamma} \quad (4.9)$$

with standard error of \hat{G}

$$\text{se}(\hat{G}) = \sqrt{\mathbf{c}'_2 \mathbf{A} \text{Var}(\hat{\gamma}) \mathbf{A}' \mathbf{c}_2} .$$

The predicted student variance-covariance of Y_t status score and G gain by

$$\mathbf{V}_s = \mathbf{C} \left[\mathbf{A} \text{Var}(\hat{\gamma}) \mathbf{A}' + \mathbf{A} \mathbf{H}_3 \hat{\mathbf{T}}_\beta \mathbf{H}'_3 \mathbf{A}' + \mathbf{A} \mathbf{H}_2 \hat{\mathbf{T}}_\pi \mathbf{H}'_2 \mathbf{A}' + \hat{\mathbf{E}} \right] \mathbf{C}' \quad (4.10)$$

and the corresponding result for schools is

$$\mathbf{V}_S = \mathbf{C} \left[\mathbf{A} \text{Var}(\hat{\gamma}) \mathbf{A}' + \mathbf{A} \mathbf{H}_3 \hat{\mathbf{T}}_\beta \mathbf{H}'_3 \mathbf{A}' \right] \mathbf{C}' . \quad (4.11)$$

From Equation 4.10 and Equation 4.11, the marginal standard deviation of *student* gain G is given by the square-root

$$\text{SD}_s(Y_t, Y_{t+1}) = \sqrt{\mathbf{V}_{s[22]}}$$

and the marginal standard deviation for *school* gain is

$$\text{SD}_S(Y_t, Y_{t+1}) = \sqrt{\mathbf{V}_{S[22]}} ,$$

where $w_{[mn]}$ denotes the element in m^{th} row and n^{th} column of matrix \mathbf{W} . Analogous to the achievement status percentiles for students and schools for $z_s(Y_t)$ and $z_S(Y_t)$, respectively, marginal growth percentiles may be defined through $z_s(Y_t, Y_{t+1})$ and $z_S(Y_t, Y_{t+1})$ accordingly.

In Appendix B, Tables B.1-B.8 show the term-to-term marginal growth results in Mathematics, Reading, Language Usage, and General Science for students and schools.

Conditional Growth Norms

Although marginal growth norms are easily obtained (as shown above), conditional growth norms are preferred in that they remove the dependency of gains on starting achievement levels. Assuming bivariate normality and applying standard results for conditional expectation, we see that the expected growth for student i from iWk_t to iWk_{t+1} conditional on Y_t is

$$\hat{G}_s^* = \hat{G} + \left(\frac{\mathbf{V}_{s[21]}}{\mathbf{V}_{s[11]}} \right) [Y_t - \hat{Y}_t] . \quad (4.12)$$

Additionally, the conditional standard deviation of gains for a student with Starting RIT Y_t is

$$\text{SD}_s^* = \sqrt{\mathbf{V}_{s[22]} - \mathbf{V}_{s[21]}^2 / \mathbf{V}_{s[11]}} \quad (4.13)$$

and for schools

$$\text{SD}_S^* = \sqrt{\mathbf{V}_{S[22]} - \mathbf{V}_{S[21]}^2 / \mathbf{V}_{S[11]}} . \quad (4.14)$$

In this application, and also in the 2011 RIT Scale Norms Study (NWEA, 2011a), $z_s(G_s^*) = (G_s^* - \hat{G}_s^*)/SD_s^*$ is the *student* Conditional Growth Index or CGI_s, and $100 \times p_s$ is the *student* Conditional Growth Percentile or CGP_s(G_s^*). Similarly, $z_S(G_S^*) = (G_S^* - \hat{G}_S^*)/SD_S^*$ is the *school* Conditional Growth Index or CGI_S, and $100 \times p_S$ is the *school* Conditional Growth Percentile or CGP_S(G_S^*).

Conditional growth results for students and growth are found in Appendix D, Table D.1.1 to Table D.4.6. The corresponding conditional growth results, for selected values of CGP, are found in Appendix E, Table E.1.1 to Table E.4.36.

5 Results and Discussion

All norms, with one exception, are based on procedures presented in Chapter 4. The sole exception is for end-of-course tests in algebra and geometry (see Appendix F). We limit our attention here to secondary estimates from those procedures, describing selected aspects of the 2015 norms which users have found to be most useful. Only selected results for mathematics and reading are presented due to space considerations. However, results from all four content areas are included in Appendix A through Appendix F. Detailed results of the underlying statistical analyses, will be presented in a separate report.

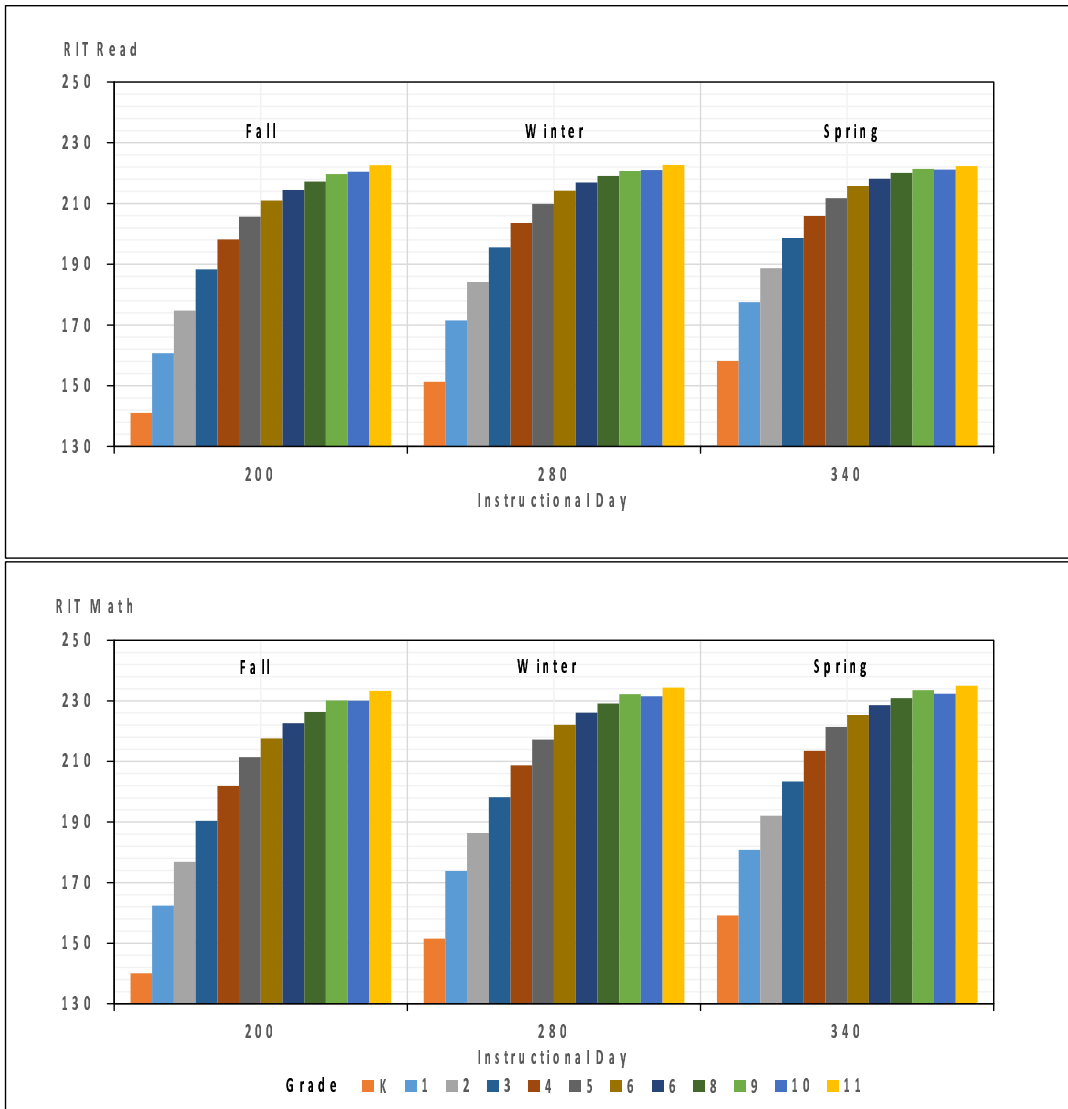
5.1 The 2015 Achievement Status Norms

Recall from Equation 4.5 that predicted mean achievement status at a given point in time is identical for both students and schools. Thus, achievement status norms apply to both students and schools. Figure 5.1 shows the reading and mathematics predicted means for the fall, winter, and spring terms of U.S. public schools and public school students attending kindergarten through grade 11. For both mathematics and reading, students and schools mean achievement increases rapidly in the lower grades, decelerates over the middle grades, and plateaus into high school beginning in the 9th grade. The composite pattern over grade levels is quite smooth in each case, especially given the fact that model smoothing is applied “within” the grade level only. This pattern of decelerating achievement is characteristic of MAP, as a review of previous norms studies will reveal, and is commonly encountered in large scale assessments. Its re-occurrence here provides indirect validation of both data and current study procedures.

For mathematics, a pattern of steady increase in standard deviations over grade levels is evident for both students and schools. Relatively larger values for all terms in kindergarten, but especially for fall and winter (see Figure 5.2). As Figure 5.3 shows, greater variation in fall and winter kindergarten student scores is also evident for reading, although the trend of increasing standard deviations within grade-level is much less pronounced for both students and schools than for mathematics. Note that, as expected, variability between schools is typically lower by a half of that predicted for students. This pattern of results holds for both reading and mathematics.

The comparatively high student and school standard deviations in fall and winter terms of kindergarten are the consequence of one known factor and several plausible factors. From Table 2.2, it is clear that we need to use a regular polynomial to describe the age-cohort data available for kindergarten. In this model, predictions for fall leveraged students’ scores for winter and spring of their kindergarten year, as well as their results when they attended first grade. When the standard deviations of the kindergarten status norms are compared to the corresponding kindergarten raw score standard deviations, the values from the norms are roughly 22% larger in the fall, roughly 7% larger in the winter, and 3% larger in spring

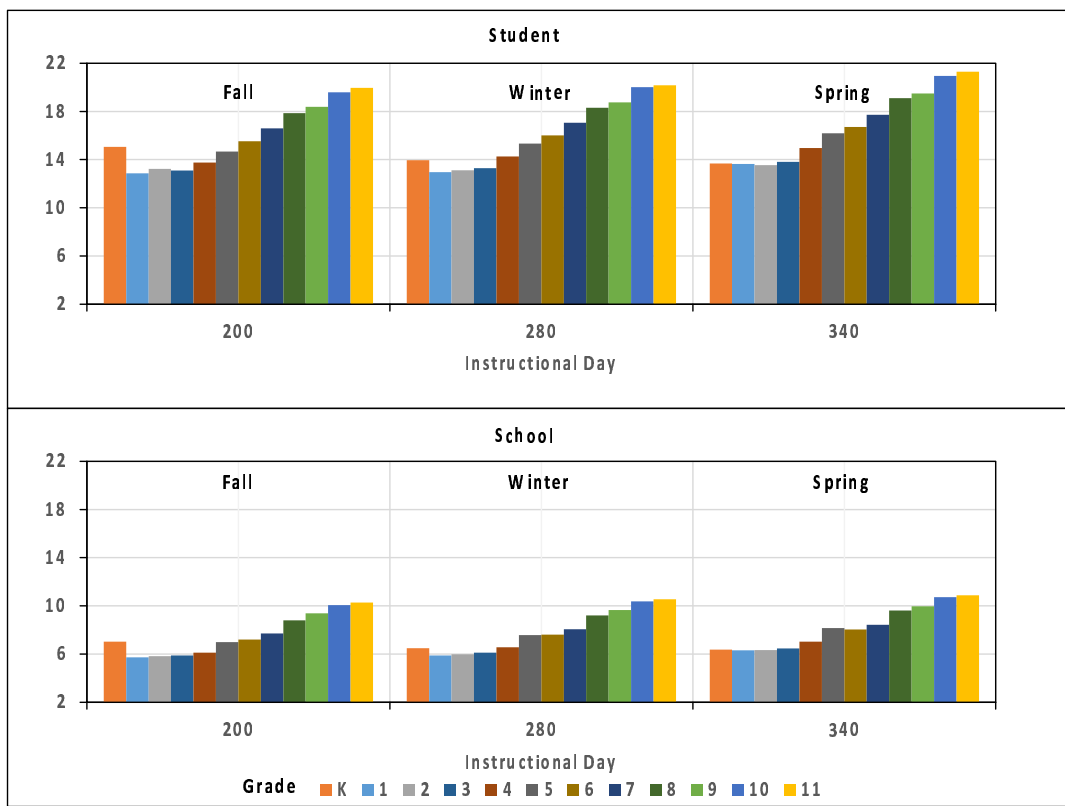
Figure 5.1: Predicted Means for Fall, Winter, and Spring Reading and Mathematics Norm Distributions



for mathematics, with the same pattern for reading. When the same comparisons are made for other grades, in any content area there are virtually no differences between the raw score standard deviations and those from the norms.

This suggests that the transition from the fall term to winter or spring of the kindergarten school year, in what is taught, learned, and elicited by the MAP/MPG tests, is novel enough to result in higher variability of test results. There are several plausible reasons for this result that merit nominal, even speculative attention here. As a group, these points all coalesce around the perceived qualitative differences of students experiencing more formal school for the first time. While all students arrive with a wide variety of non-school-related experiences, students entering kindergarten come to school with very little, if any, in-school experience. To the extent that in-school experiences serve to “homogenize” on overall background that affects testing behavior, test score variance could be reduced accordingly.

Figure 5.2: Predicted Student (top) and School Grade-level (bottom) Standard Deviations of Mathematics



Also, for most kindergarten students, the MAP for Primary Grades tests are their first experience with testing of any kind. The effects of such first encounters on the precision of score estimates are largely unknown. We speculate that the timing of administering these tests for the first time is likely to have a much greater impact on the performance of kindergarten students than it does for students in other grades. Not only is the amount of content-relevant instruction likely to vary widely across schools, but early or even mid-year kindergarten students are also likely to vary in their “readiness” to engage meaningfully with a MAP for Primary Grades test. Finally, we suspect that it is common in kindergarten to place a greater instructional emphasis on the development of reading and language skills than on mathematics skills. The higher standard deviations observed for kindergarten mathematics across terms would seem to support this possibility.

In sum, the greater volatility we have found in predicted fall kindergarten scores suggests that its use in important educational decision is best tempered by other pertinent information that are available about the student. We note that, by the winter and spring terms in kindergarten, estimates of means and standard deviations are more in line with the orderly trend we expect to see in measures describing development and growth.

5.2 School Norms

In this study, we seek school grade level norms that are more tightly linked to the norms for students in that the sets of norms share the same evidence base and issue from a singular methodological treatment.

Figure 5.3: Predicted Student (top) and School Grade-level (bottom) Standard Deviations for Reading

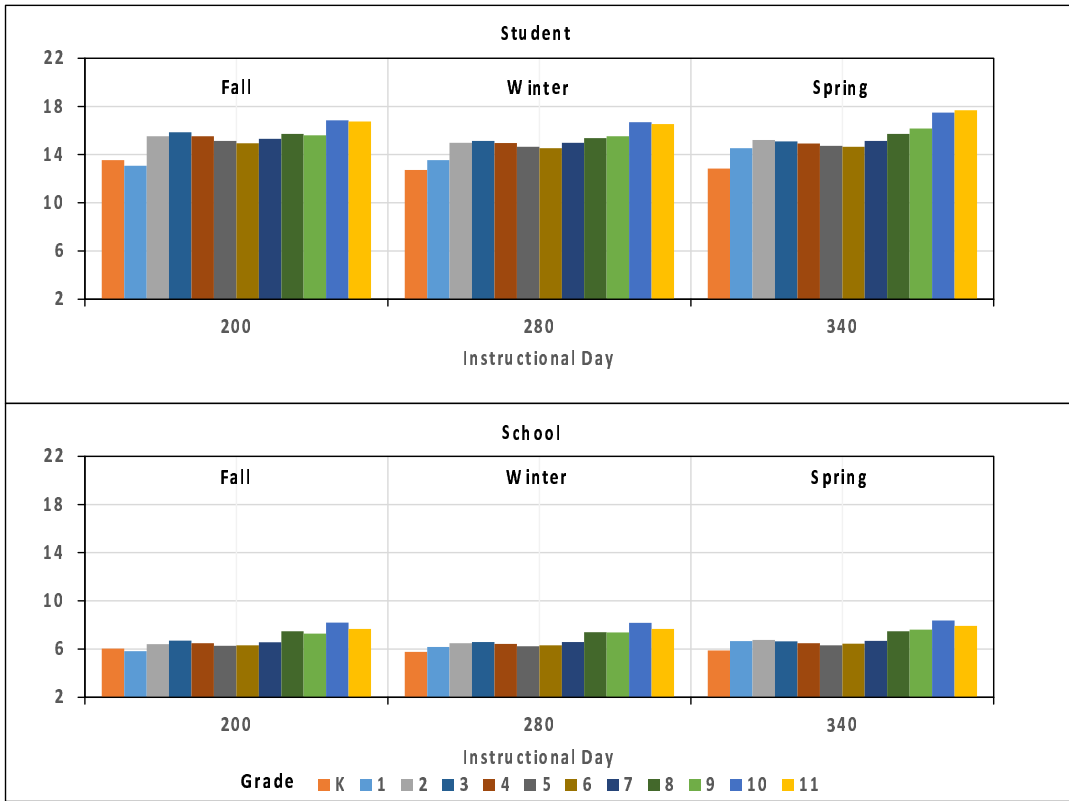
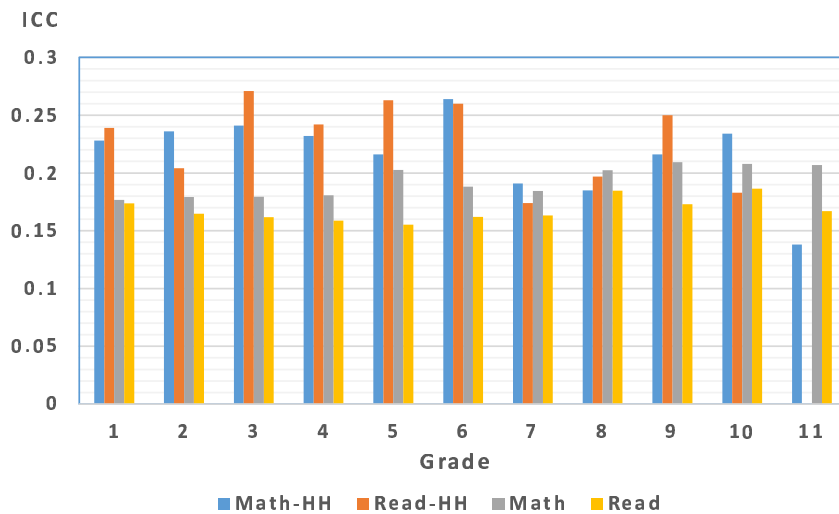
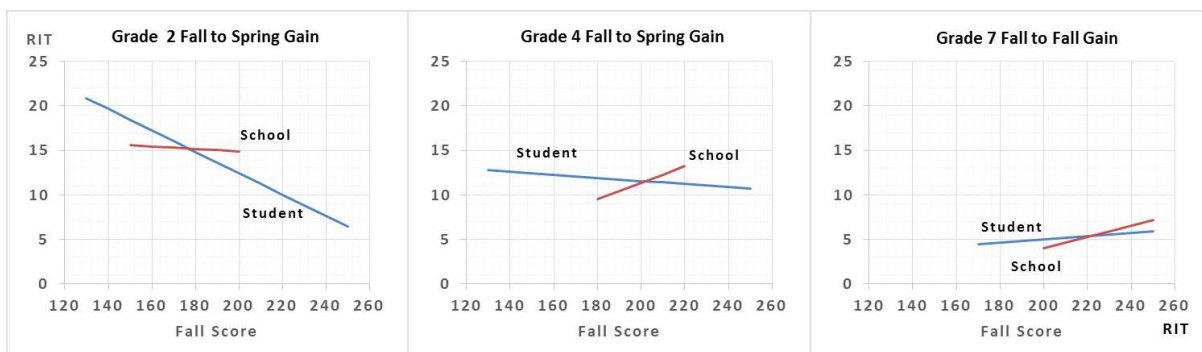


Figure 5.4: School Grade-level Intra-class Correlations by Grade for Spring: (a) Mathematics and (b) Reading



Accordingly, we have argued that a 3-level HLM is the appropriate model for estimating the 2015 norms, because school grade-level norms are sought and that the required data reflects a nesting of students

Figure 5.5: Conditional Growth for Students and Schools for Grades 2, 4, and 7 in Mathematics



within schools. The improvements to model specification when using this approach for the 2015 norms analyses is validated by the more-nearly uniform school ICC estimates of 0.155 (about 16%) to 0.209 (about 21%) across grades for both reading and mathematics (see Figure 5.4). These ICC values indicate that there is substantial variation between schools. We note that the values from the 2015 RIT Scale Norms Study are generally lower than published figures, denoted as Math-HH and Read-HH, from Hedges & Hedberg (2007)¹. The lower figures from the present study is quite understandable because, unlike the Hedges & Hedberg (2007) study, MAP is the only assessment employed.

5.2.1 Growth and Starting RIT

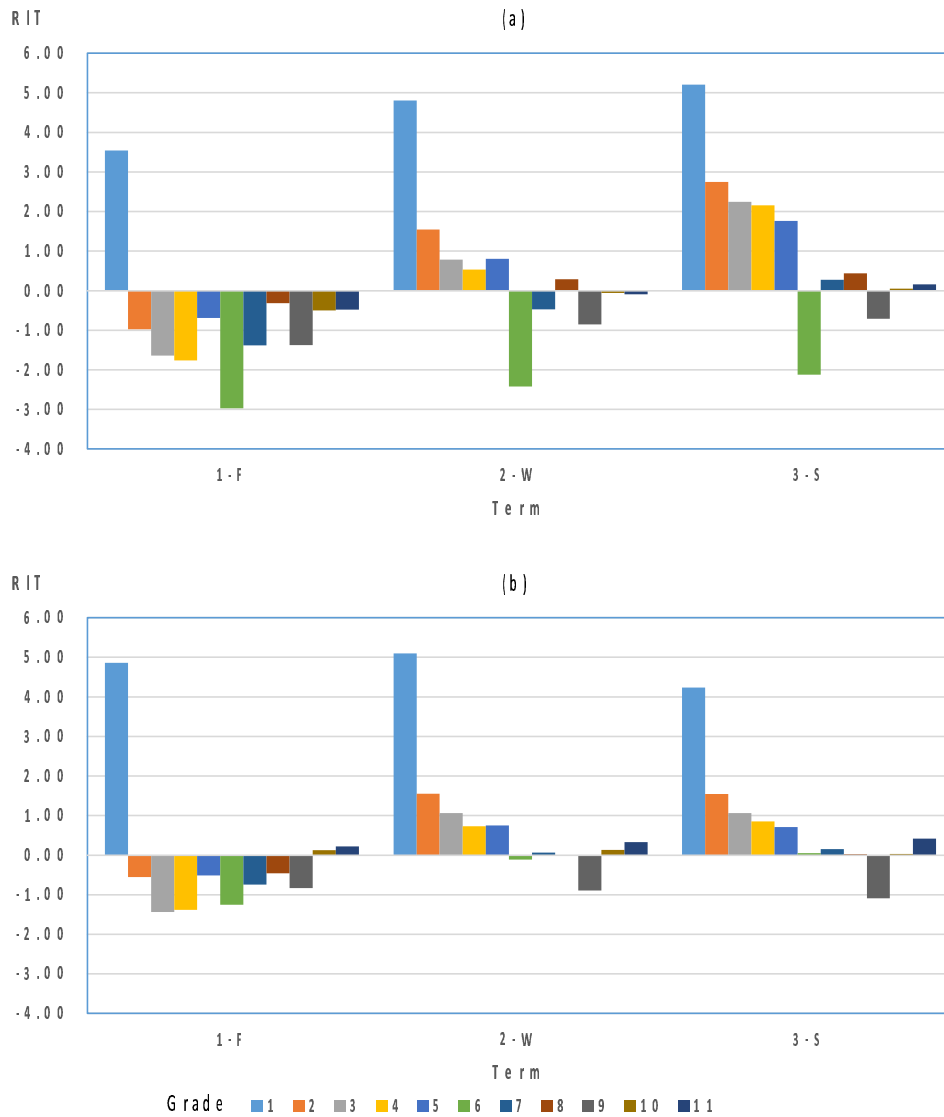
In Section 1.2.4 of Chapter 1, we discussed the dangers of aggregation effects. A school, represented by the collective performance of students at a grade level, does not achieve or grow in the same ways as the student. The pattern of smaller standard deviations for schools than for students from Table A.1 would mean that a score higher or lower than the average achievement is less likely for schools than for students. Student growth, for the same terms and starting RIT, also vary more than schools (see tables in Appendix B). As a result, it would be inappropriate to evaluate schools using achievement and growth norms, benchmarks, or standards intended for use with the individual student. For evaluating schools therefore, the school norms should be used instead.

Another important finding from the research literature on aggregation effects is that not only are the distributions of the means of individual units different from the means of groups in which they are nested, relationships between outcomes and covariates or predictors among units within groups are likely to be different from that observed among groups as well. This finding is quite pertinent to the general user, for whom the perception that high growth invariably follows low initial performance is particularly strong. While this prediction is prevalent it is by no means universal, even when it is explicitly a prediction about how students generally perform.

Figure 5.5 shows examples attesting to the variety in the predictive relationships between starting RIT and gains in mathematics for students (blue lines) for grade 2 (fall-to-spring), 4 (fall-to-spring), and 7 (fall-to-fall). Also plotted are the predictive relationships between starting RIT and growth for schools. Clearly, it will be important for the user, whether a teacher, parent, or administrator, to understand the nature of the predictive relationship specific to each test, grade, and terms, before expectations are set for either

¹Further comparison of these results, including ICCs for term-to-term growth, should be of great interest but their discussion is beyond the scope of this study.

Figure 5.6: Difference in Predicted Means (Additive Polynomial minus Regular Polynomial): (a) Mathematics and (b) Reading

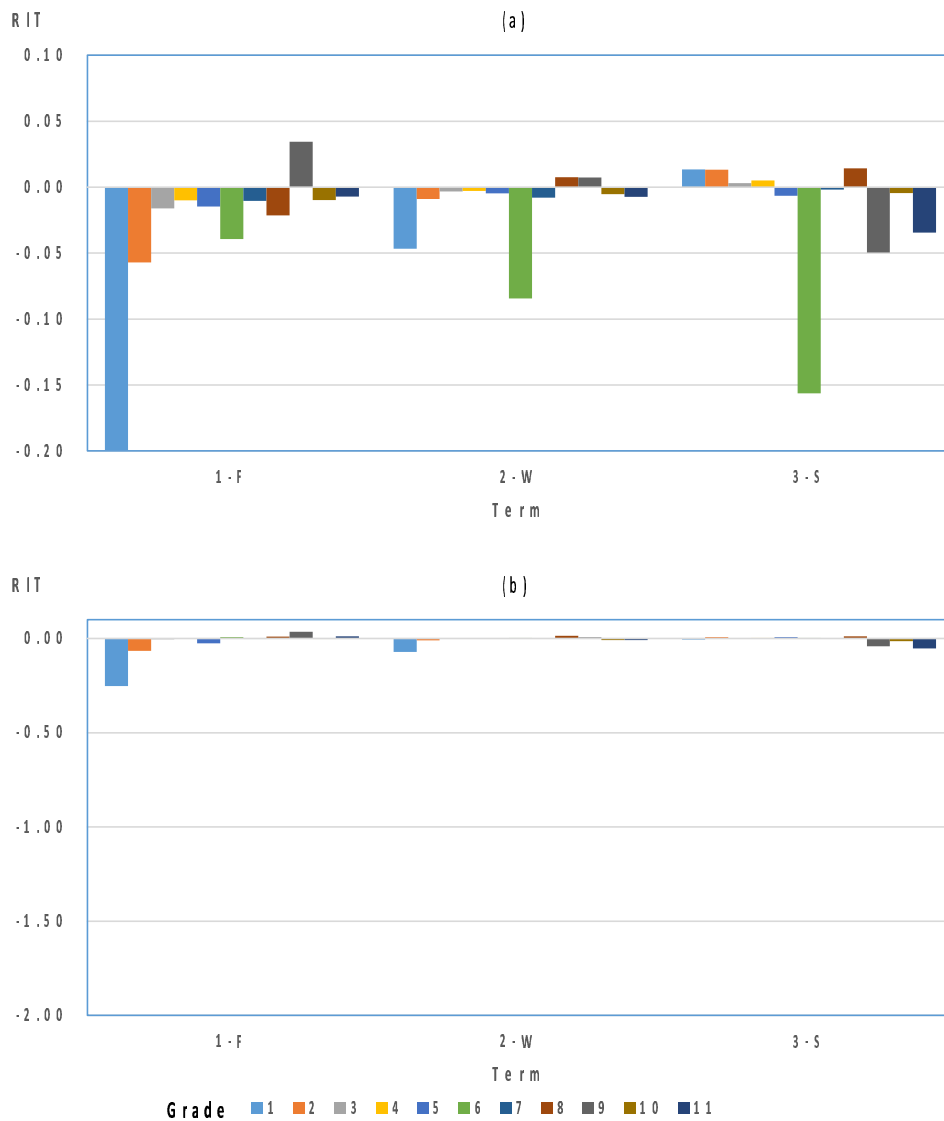


the student or the school. As we have noted in Section 1.2.4, failure to attend to such nuances in the norms can grossly misinform policy and may lead to decisions with serious consequences for students and schools.

5.3 Differences between the 2011 and 2015 Student Status Norms

In Section 1.4, we have provided some reasons for why successive MAP norms will likely change and how these changes may reflect in part the new performance characteristics of U.S. public school students in the 2012-2013 school year. We have also discussed changes that may have arisen from the adoption and implementation of the Common Core State Standard (CCSS) in instruction, and the accompanying

Figure 5.7: Difference in Standard Errors of Predicted Means (Additive Polynomial minus Regular Polynomial): (a) Mathematics and (b) Reading

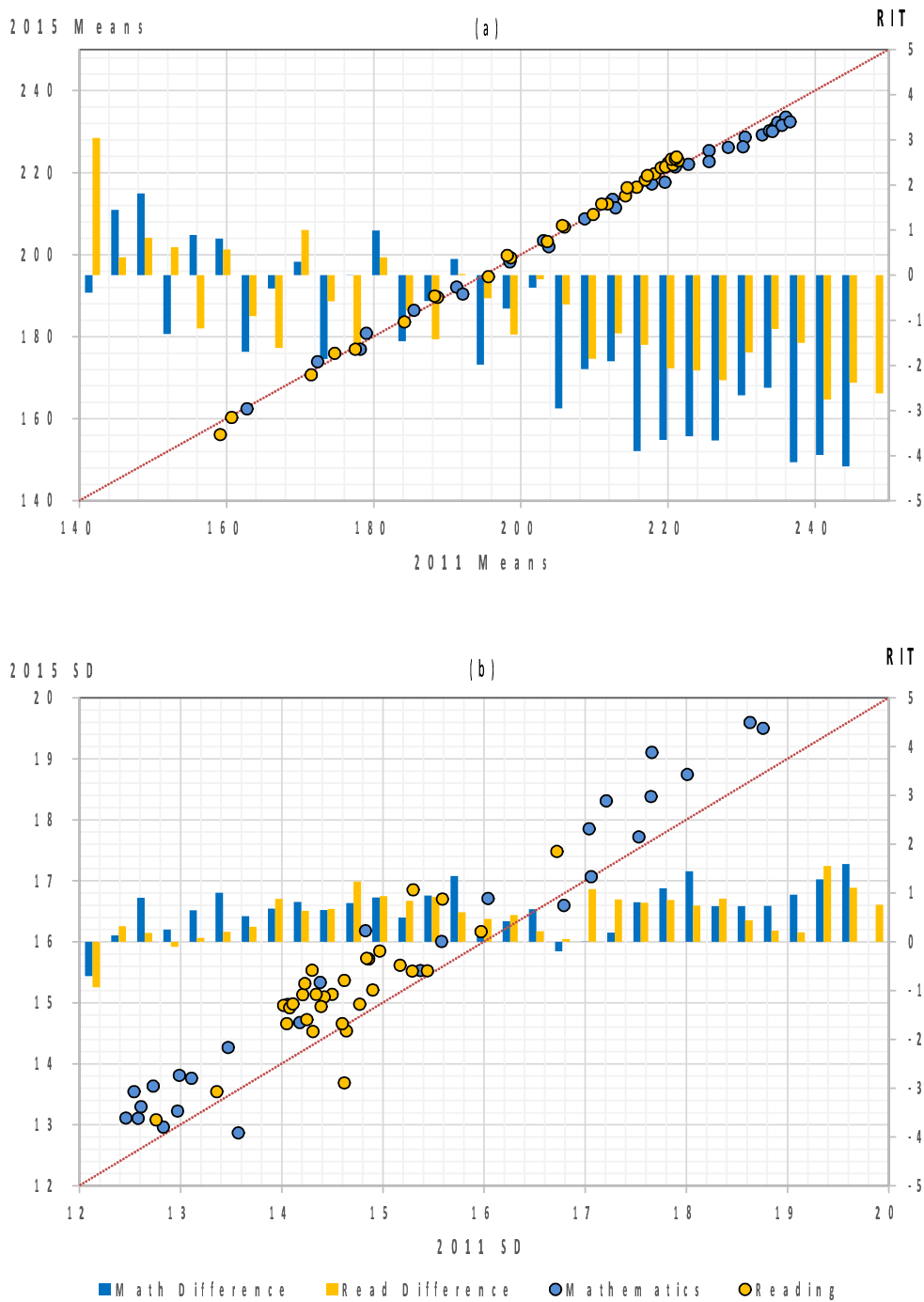


switch over to Common Core State Standard versions of MAP. Transition towards CCSS testing has been dramatic but, unfortunately, not enough is known about partner adoption and implementation of CCSS. The result is that the gross impact of CCSS will remain a part of the unexplained variation of the statistical models at this time.

5.3.1 Implications of New Procedures

Another important reason for expecting changes is that, at the outset, we have planned specific improvements for the norms of 2015. These improvements respond to a planned increase of the utility of the norms to include norms for schools. In addition, there is an expansion in scope to support growth eval-

Figure 5.8: Comparing (a) the predicted means and (b) standard deviations of the 2011 and 2015 Student Norms. Plot-points for means are referred to the left vertical axis. Differences in means (2015 minus 2011) are referred to the right vertical axis.



uations over a wider seasonal horizon that requires an increase to the data span. Both these changes required adopting procedures more suited to the data characteristics; a three-level growth model that uses an additive polynomial to deal with known seasonality in the score trends. For these reasons, differences

from the 2011 results must be anticipated.

Although separating the impact of these changes in data and procedure will be difficult, focusing on the impact of the additive polynomial will be very instructive because we have obtained similar results from the regular polynomial growth model. Figure 5.6 shows the correction for systematic bias as a result of using an additive polynomial. The plots of differences between 2015 and 2011 status means by grade level indicated a pattern of over-prediction for 2011 fall means and under-prediction of 2011 spring means. The pattern of correction appears to be the same for both mathematics and reading. Also expected is the pattern of stronger correction in the lower grade levels. Finally, not only have the additive polynomial substantially reduced seasonal bias, the plot of difference in standard errors in Figure 5.7 clearly indicate that the means in the 2015 norms are better estimated, especially for mathematics.

Figure 5.8 plots the means and standard deviations of the mathematics and reading status norm, for fall, winter, and spring terms, from 2015 against the results for 2011. On the whole, Panel (a) shows that the predicted means from the 2015 norms are highly predictive of values from the 2011 norms. It displays a pattern of differences which indicates that (1) means are more affected by the use of the additive polynomial in the lower grades, and (2) means for 2015 are lower than those in 2011 from the middle to the upper grade levels, with differences that range between -4 to +2 RITs. Panel (b) displays a pattern of predicted standard deviations that suggests that scores are now more variable.

These differences are significant. Consistent with our expectations, they reflect the impact of a blend of known data and procedural changes between 2011 and 2015. These differences are also likely to be related to the adoption and implementation patterns of CCSS content, instruction, and testing. Due to these differences in means and standard deviations, it is understandable that standard scores and percentiles for a given RIT score will appear to be different for the two sets of norms. As we have argued in Section 1.4, standard scores or percentiles reflect the relative standing of the student under each set of norms. However, the student's achievement level has not changed even when their ranking in the two sets of norms are different.

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Appendices

Important notes about these Appendices:

- The model employed to compute the norms incorporated instructional time as a continuous variable, specifically, as instructional weeks. This allows status and growth norms to be estimated for any number of instructional weeks preceding a test occasion or for any number of instructional weeks separating test occasions. The simultaneous consideration of starting RIT score and instructional weeks in computing growth norms suggests that a comprehensive presentation of norms can only be accomplished using a smoothed regression surface. While this would allow very fine grained estimates for norms for virtually any combination of starting RIT and instructional weeks, it would not necessarily be practical for typical, everyday use.

Even though instructional weeks affords greater precision, traditional testing “terms” or “seasons” are more commonly used in schools to refer to status and growth. For this reason, the tables presented in these appendices use terms to represent the time dimension of norms. These terms have been fixed to the number of instructional weeks that we have most commonly encountered for each term. These values are fall = 4, winter = 20, and spring = 32. These values assume a 36 instructional week school year. Therefore, in the tables that present term-to-term growth over a full instructional year (e.g., Last Spring-to-Spring or Fall-to-Next Fall), the two terms are separated by 36 instructional weeks. Similarly, Fall-to-Winter growth, Winter-to-Spring growth, and Fall-to-Spring entail growth spans of 16, 12, and 28 instructional weeks, respectively. To the extent that actual spans between testing occasions deviate more than three weeks from these spans, inferences about the results should be drawn cautiously.

- Appendices D and E adopt a convention for reporting growth norms that is conditional on starting RIT scores. Starting RIT scores are reported as a distribution employing a constant set of 18 percentile ranks. The percentiles were selected to detect smaller changes around the center of the distribution relative to those toward the tails. The tables in Appendix E employ a similar convention for Conditional Growth Percentiles. When using tables from either of these appendices, it is likely that the exact values of interest will not appear in a table. In these cases, it will be necessary to use some combination of rounding and interpolation. The NWEA reporting system should be employed when exact values are required.
- In the case of general science, only status norms are provided in grades 9 and 10. Partners have found the status norms for grades 9 and 10 for general science useful for many screening and placement purposes. Where science content is more specialized, typically in classes such as biology, chemistry, or physics, the general science test results should not be used to evaluate performance in such typically differentiated high school science courses.

Appendix A - School and Student Status Norms

This appendix provides the status norms for each content area by grade and term. Table A.1 reports norms for mathematics and reading; Table A.2 reports norms for language usage and general science. Within each grade by content area cell cluster, the mean, and standard deviations for schools and for students for are presented for each term. It should be noted that the means in each cell cluster are the means for both schools and students. The set of three Ns in the last row of the cell cluster represent, respectively, the number of schools, the number of students, and the number of scores employed in the cluster. These Ns are only associated with the cell cluster; they have no relationship to the term headings.

Table A.1: Mathematics and Reading Achievement Status Norms

Grade	Statistic	Mathematics			Reading		
		Fall	Winter	Spring	Fall	Winter	Spring
K	Mean	140.04	151.47	159.14	141.05	151.33	158.15
	School SD	7.03	6.48	6.36	6.03	5.76	5.88
	Student SD	15.06	13.95	13.69	13.54	12.73	12.85
	Ns*	1428, 122364, 407381			1426, 120735, 388475		
1	Mean	162.42	173.85	180.81	160.70	171.53	177.52
	School SD	5.73	5.89	6.32	5.82	6.17	6.67
	Student SD	12.87	12.96	13.63	13.08	13.54	14.54
	Ns	1425, 132062, 511133			1437, 131136, 500918		
2	Mean	176.90	186.39	192.11	174.72	184.17	188.69
	School SD	5.83	5.98	6.33	6.40	6.49	6.75
	Student SD	13.22	13.11	13.54	15.52	14.98	15.21
	Ns	1453, 133623, 545946			1454, 128742, 530438		
3	Mean	190.40	198.21	203.40	188.29	195.60	198.62
	School SD	5.88	6.12	6.46	6.70	6.59	6.63
	Student SD	13.10	13.29	13.81	15.85	15.14	15.10
	Ns	1456, 135458, 609075			1457, 134519, 606602		
4	Mean	201.94	208.71	213.49	198.16	203.60	205.92
	School SD	6.11	6.55	7.03	6.49	6.43	6.48
	Student SD	13.76	14.27	14.97	15.53	14.96	14.92
	Ns	1443, 130077, 592305			1456, 134361, 615399		
5	Mean	211.44	217.23	221.36	205.68	209.83	211.79
	School SD	7.00	7.57	8.16	6.27	6.23	6.31
	Student SD	14.68	15.33	16.18	15.13	14.65	14.72
	Ns	1440, 148818, 518378			1448, 148564, 526716		
6	Mean	217.62	222.06	225.32	210.99	214.21	215.75
	School SD	7.19	7.61	8.05	6.31	6.31	6.44
	Student SD	15.53	16.00	16.71	14.94	14.53	14.66
	Ns	1451, 165541, 546568			1452, 162887, 554445		
7	Mean	222.65	226.12	228.59	214.45	216.91	218.16
	School SD	7.71	8.06	8.43	6.57	6.57	6.69
	Student SD	16.59	17.07	17.72	15.31	14.98	15.14
	Ns	1415, 190705, 781050			1418, 194033, 814818		
8	Mean	226.30	229.15	230.93	217.24	219.09	220.07
	School SD	8.80	9.21	9.62	7.47	7.39	7.48
	Student SD	17.85	18.31	19.11	15.72	15.37	15.73
	Ns	1377, 199759, 619604			1396, 206667, 664327		
9	Mean	230.27	232.24	233.41	220.22	221.27	221.87
	School SD	9.14	9.60	10.05	7.13	7.20	7.42
	Student SD	18.13	18.62	19.52	15.68	15.54	16.21
	Ns	1410, 202531, 495519			1422, 212539, 532620		
10	Mean	230.06	231.52	232.37	220.44	221.01	221.18
	School SD	10.06	10.36	10.73	8.19	8.17	8.37
	Student SD	19.60	20.01	20.96	16.85	16.70	17.48
	Ns	1365, 194965, 570206			1362, 205057, 593409		
11	Mean	233.28	234.35	234.97	222.64	222.69	222.33
	School SD	10.27	10.54	10.88	7.68	7.67	7.92
	Student SD	19.95	20.18	21.30	16.75	16.53	17.68
	Ns	1334, 158637, 378738			1330, 163513, 387304		

* Ns indicates the number of schools, students, and scores employed.

Table A.2: Language Usage and General Science Achievement Status Norms

Grade	Statistic	Language Usage			General Science		
		Fall	Winter	Spring	Fall	Winter	Spring
2	Mean	174.51	184.94	189.68			
	School SD	6.63	6.63	6.84			
	Student SD	16.58	15.34	15.47			
	Ns*	1424, 110316, 332421					
3	Mean	189.41	196.83	199.98	187.47	192.56	195.43
	School SD	6.29	6.16	6.23	5.44	5.30	5.37
	Student SD	15.20	14.24	14.11	11.74	10.92	11.01
	Ns	1440, 120298, 457225			1391, 101250, 284799		
4	Mean	198.83	204.41	206.69	194.58	198.73	201.00
	School SD	6.04	5.91	5.92	5.11	5.16	5.33
	Student SD	14.66	13.83	13.64	11.16	10.75	10.92
	Ns	1438, 119456, 459160			1394, 107737, 325387		
5	Mean	205.63	209.70	211.47	200.23	203.69	205.72
	School SD	5.60	5.55	5.63	5.10	5.14	5.32
	Student SD	13.87	13.23	13.19	11.06	10.80	11.07
	Ns	1443, 132713, 421493			1400, 123779, 332065		
6	Mean	210.73	213.94	215.26	204.31	207.06	208.65
	School SD	5.82	5.81	5.92	5.41	5.51	5.68
	Student SD	13.79	13.30	13.38	11.54	11.40	11.73
	Ns	1457, 139078, 426104			1409, 144320, 410837		
7	Mean	214.02	216.51	217.61	207.18	209.47	210.86
	School SD	5.84	5.88	6.04	5.30	5.43	5.60
	Student SD	13.82	13.52	13.70	11.92	11.87	12.23
	Ns	1417, 169914, 623601			1373, 151095, 495433		
8	Mean	216.17	218.08	219.04	210.29	212.28	213.53
	School SD	6.54	6.66	6.86	5.78	5.80	5.92
	Student SD	14.17	13.92	14.26	12.28	12.19	12.63
	Ns	1368, 168791, 489891			1354, 148311, 398956		
9	Mean	218.37	219.73	220.38	212.45	213.89	214.83
	School SD	6.73	6.80	6.99	5.98	6.01	6.11
	Student SD	14.15	13.98	14.50	12.83	12.78	13.32
	Ns	1415, 172147, 410410			1372, 139621, 336019		
10	Mean	218.93	219.72	220.15	213.37	214.46	215.05
	School SD	7.29	7.32	7.52	6.71	6.83	7.03
	Student SD	15.04	14.99	15.74	13.76	13.72	14.29
	Ns	1328, 149431, 426111			966, 89945, 252688		
11	Mean	221.51	222.11	222.15			
	School SD	6.79	6.83	7.07			
	Student SD	14.96	14.85	15.80			
	Ns	1362, 133212, 321777					

* Ns indicates the number of schools, students, and scores employed.

Appendix B - Student and School Growth Norms

Tables in this appendix provide the grade level term-to-term growth norms for mathematics, reading, language usage and general science, respectively. For each content area there are two multi-part tables. The first table for a content area (Tables B.1 B.3, B.5, and B.7) provides student growth norms. The second table (Tables B.2 B.4, B.6, and B.8) provides school growth norms. Both tables have an identical layout. The first group of columns from the left, after Grade, provides the mean starting status and standard deviation for the grade level in the starting term indicated (e.g., Last Winter, Last Spring, Fall). The next group of columns to the right (the To Term columns), provides the mean growth and standard deviation from the starting term to the indicated ending term. It should be noted that all the means (starting status and growth) in the student table and the corresponding means in the school table are identical within a content area; only the standard deviations differ.

To determine, for example, the normative fall-to-spring growth in mathematics for schools at the grade 3 level, we would see from looking at Table B.2, under the Fall column, that the mean starting status for grade 3 was 190.40 with a standard deviation of 5.88. Moving from these cells in the same row, we will find under the To Spring column, that the mean grade 3, fall-to-spring growth for schools was 12.99 with a standard deviation of 2.20. If we were also interested in determining the corresponding information from the student table, we would see the same mean growth (12.99) with a standard deviation nearly three times larger (6.47).

Table B.1: Student Mathematics Growth Norms

Status		Growth		Growth		Growth	
Current	Last Win		to Winter				
Grade	Mean	SD	Mean	SD			
1	151.34	14.45	22.51	6.88			
2	172.79	14.30	13.60	6.43			
3	185.76	12.98	12.44	5.95			
4	198.17	13.36	10.54	5.81			
5	208.09	14.74	9.14	6.15			
6	216.43	16.10	5.63	6.25			
7	220.76	16.74	5.36	5.80			
8	224.66	17.73	4.48	6.44			
9	229.26	19.10	2.98	7.31			
10	229.27	19.69	2.25	7.01			

Current	Last Spr		to Spring				
Grade	Mean	SD	Mean	SD			
1	159.62	15.95	21.19	7.72			
2	179.42	15.29	12.68	7.35			
3	191.59	13.62	11.81	6.76			
4	203.54	14.12	9.95	6.63			
5	212.74	15.77	8.62	7.01			
6	220.44	17.35	4.88	7.15			
7	223.68	17.78	4.92	6.59			
8	226.92	18.55	4.00	7.77			
9	230.89	20.16	2.52	8.50			
10	230.23	20.68	2.14	8.95			

Current	Fall		To Winter		To Spring		To Next Fall	
Grade	Mean	SD	Mean	SD	Mean	SD	Mean	SD
K	140.04	15.06	11.43	5.56	19.10	7.59	24.02	9.14
1	162.42	12.87	11.43	5.50	18.40	7.45	14.59	8.12
2	176.90	13.22	9.50	5.35	15.21	7.11	13.23	7.04
3	190.40	13.10	7.81	5.08	12.99	6.47	11.36	6.41
4	201.94	13.76	6.77	5.05	11.55	6.41	9.89	6.12
5	211.44	14.68	5.79	5.22	9.92	6.80	5.99	6.50
6	217.62	15.53	4.44	5.20	7.71	6.75	6.70	6.67
7	222.65	16.59	3.47	5.11	5.95	6.55	5.47	6.26
8	226.30	17.85	2.85	5.59	4.63	7.66	3.96	7.16
9	230.27	18.13	1.96	5.81	3.13	8.15	2.40	7.38
10	230.06	19.60	1.46	6.18	2.31	8.92	2.00	7.76

Current	Winter		to Spring				
Grade	Mean	SD	Mean	SD			
K	151.47	13.95	7.67	5.03			
1	173.85	12.96	6.97	4.99			
2	186.39	13.11	5.72	4.90			
3	198.21	13.29	5.19	4.73			
4	208.71	14.27	4.78	4.72			
5	217.23	15.33	4.13	4.82			
6	222.06	16.00	3.26	4.80			
7	226.12	17.07	2.47	4.75			
8	229.15	18.31	1.78	5.05			
9	232.24	18.62	1.17	5.19			
10	231.52	20.01	0.85	5.42			

Table B.2: School Mathematics Growth Norms

Status		Growth		Growth		Growth	
Current	Last Win		to Winter				
Grade	Mean	SD	Mean	SD			
1	151.34	6.80	22.51	3.02			
2	172.79	6.59	13.60	2.51			
3	185.76	5.81	12.44	2.09			
4	198.17	6.00	10.54	1.90			
5	208.09	7.12	9.14	2.13			
6	216.43	7.44	5.63	2.01			
7	220.76	7.90	5.36	1.80			
8	224.66	8.78	4.48	1.98			
9	229.26	9.64	2.98	2.46			
10	229.27	10.32	2.25	2.06			

Current	Last Spr		to Spring				
Grade	Mean	SD	Mean	SD			
1	159.62	7.67	21.19	3.57			
2	179.42	7.45	12.68	3.27			
3	191.59	6.29	11.81	2.74			
4	203.54	6.48	9.95	2.44			
5	212.74	7.78	8.62	2.85			
6	220.44	8.11	4.88	2.53			
7	223.68	8.50	4.92	2.20			
8	226.92	9.18	4.00	2.50			
9	230.89	10.24	2.52	3.00			
10	230.23	10.72	2.14	2.72			

Current	Fall		To Winter		To Spring		To Next Fall	
Grade	Mean	SD	Mean	SD	Mean	SD	Mean	SD
K	140.04	7.03	11.43	1.77	19.10	3.09	24.02	3.97
1	162.42	5.73	11.43	1.71	18.40	2.99	14.59	3.37
2	176.90	5.83	9.50	1.52	15.21	2.66	13.23	2.40
3	190.40	5.88	7.81	1.26	12.99	2.20	11.36	2.03
4	201.94	6.11	6.77	1.30	11.55	2.27	9.89	1.82
5	211.44	7.00	5.79	1.54	9.92	2.70	5.99	2.13
6	217.62	7.19	4.44	1.33	7.71	2.33	6.70	2.02
7	222.65	7.71	3.47	1.22	5.95	2.13	5.47	1.95
8	226.30	8.80	2.85	1.26	4.63	2.20	3.96	2.02
9	230.27	9.14	1.96	1.36	3.13	2.38	2.40	2.37
10	230.06	10.06	1.46	1.53	2.31	2.67	2.00	2.22

Current	Winter		to Spring			
Grade	Mean	SD	Mean	SD		
K	151.47	6.48	7.67	1.32		
1	173.85	5.89	6.97	1.28		
2	186.39	5.98	5.72	1.14		
3	198.21	6.12	5.19	0.94		
4	208.71	6.55	4.78	0.97		
5	217.23	7.57	4.13	1.16		
6	222.06	7.61	3.26	1.00		
7	226.12	8.06	2.47	0.92		
8	229.15	9.21	1.78	0.94		
9	232.24	9.60	1.17	1.02		
10	231.52	10.36	0.85	1.15		

Table B.3: Student Reading Growth Norms

Status		Growth		Growth		Growth	
Current	Last Win		to Winter				
Grade	Mean	SD	Mean	SD			
1	151.82	13.75	19.71	7.87			
2	171.67	15.75	12.50	7.23			
3	183.80	15.98	11.81	6.52			
4	195.30	15.69	8.30	6.08			
5	203.32	15.32	6.50	6.39			
6	209.60	15.40	4.61	6.63			
7	212.94	15.59	3.97	6.14			
8	215.56	15.54	3.53	6.89			
9	219.37	15.90	1.90	7.57			
10	219.06	16.83	1.95	7.42			

Current	Last Spr		to Spring				
Grade	Mean	SD	Mean	SD			
1	158.76	16.01	18.76	8.54			
2	177.75	16.89	10.94	8.05			
3	188.15	16.25	10.47	7.25			
4	198.39	15.97	7.54	6.83			
5	205.83	15.57	5.96	7.19			
6	211.55	15.92	4.20	7.48			
7	214.33	16.19	3.83	7.05			
8	216.99	15.89	3.09	8.30			
9	220.40	16.62	1.48	8.75			
10	219.47	17.84	1.72	9.59			

Current	Fall		To Winter		To Spring		To Next Fall	
Grade	Mean	SD	Mean	SD	Mean	SD	Mean	SD
K	141.05	13.54	10.28	6.01	17.10	8.11	21.48	9.72
1	160.70	13.08	10.84	6.00	16.82	8.09	14.02	9.64
2	174.72	15.52	9.45	6.05	13.97	8.20	13.65	8.34
3	188.29	15.85	7.31	5.79	10.33	7.59	9.92	7.51
4	198.16	15.53	5.43	5.56	7.76	7.05	7.43	6.77
5	205.68	15.13	4.15	5.60	6.11	7.15	5.45	7.14
6	210.99	14.94	3.22	5.62	4.76	7.19	4.62	7.24
7	214.45	15.31	2.46	5.58	3.71	7.11	3.93	6.82
8	217.24	15.72	1.85	6.05	2.83	8.19	3.12	7.83
9	220.22	15.68	1.05	6.35	1.66	8.87	1.93	7.84
10	220.44	16.85	0.57	6.72	0.74	9.66	0.87	8.35

Current	Winter		to Spring			
Grade	Mean	SD	Mean	SD		
K	151.33	12.73	6.81	5.46		
1	171.53	13.54	5.99	5.46		
2	184.17	14.98	4.52	5.49		
3	195.60	15.14	3.02	5.33		
4	203.60	14.96	2.33	5.19		
5	209.83	14.65	1.97	5.21		
6	214.21	14.53	1.54	5.22		
7	216.91	14.98	1.25	5.20		
8	219.09	15.37	0.99	5.49		
9	221.27	15.54	0.60	5.68		
10	221.01	16.70	0.17	5.91		

Table B.4: School Reading Growth Norms

	Status		Growth		Growth		Growth	
Current	Last Win		to Winter					
Grade	Mean	SD	Mean	SD				
1	151.82	6.56	19.71	2.68				
2	171.67	6.72	12.50	2.07				
3	183.80	6.65	11.81	1.63				
4	195.30	6.59	8.30	1.38				
5	203.32	6.50	6.50	1.39				
6	209.60	6.50	4.61	1.73				
7	212.94	6.82	3.97	1.54				
8	215.56	7.31	3.53	1.76				
9	219.37	7.27	1.90	2.19				
10	219.06	8.49	1.95	2.11				
Current	Last Spr		to Spring					
Grade	Mean	SD	Mean	SD				
1	158.76	7.62	18.76	3.04				
2	177.75	7.44	10.94	2.53				
3	188.15	6.85	10.47	1.95				
4	198.39	6.80	7.54	1.74				
5	205.83	6.63	5.96	1.80				
6	211.55	6.80	4.20	2.20				
7	214.33	7.16	3.83	2.09				
8	216.99	7.36	3.09	2.24				
9	220.40	7.59	1.48	2.75				
10	219.47	8.84	1.72	2.94				
Current	Fall		To Winter		To Spring		To Next Fall	
Grade	Mean	SD	Mean	SD	Mean	SD	Mean	SD
K	141.05	6.03	10.28	1.73	17.10	3.02	21.48	3.88
1	160.70	5.82	10.84	1.59	16.82	2.79	14.02	3.58
2	174.72	6.40	9.45	1.43	13.97	2.50	13.65	2.43
3	188.29	6.70	7.31	1.17	10.33	2.05	9.92	2.05
4	198.16	6.49	5.43	0.96	7.76	1.68	7.43	1.56
5	205.68	6.27	4.15	1.02	6.11	1.78	5.45	1.59
6	210.99	6.31	3.22	1.10	4.76	1.92	4.62	1.84
7	214.45	6.57	2.46	1.05	3.71	1.83	3.93	1.67
8	217.24	7.47	1.85	1.29	2.83	2.25	3.12	1.99
9	220.22	7.13	1.05	1.33	1.66	2.32	1.93	2.18
10	220.44	8.19	0.57	1.59	0.74	2.78	0.87	2.27
Current	Winter		to Spring					
Grade	Mean	SD	Mean	SD				
K	151.33	5.76	6.81	1.29				
1	171.53	6.17	5.99	1.20				
2	184.17	6.49	4.52	1.07				
3	195.60	6.59	3.02	0.88				
4	203.60	6.43	2.33	0.72				
5	209.83	6.23	1.97	0.77				
6	214.21	6.31	1.54	0.82				
7	216.91	6.57	1.25	0.79				
8	219.09	7.39	0.99	0.97				
9	221.27	7.20	0.60	1.00				
10	221.01	8.17	0.17	1.19				

Table B.5: Student Language Usage Growth Norms

		Status		Growth		Growth		Growth	
Current	Last Win		to Winter						
Grade	Mean	SD	Mean	SD					
2	169.56	18.05	15.38	7.51					
3	184.75	15.73	12.09	6.40					
4	196.54	14.94	7.87	5.85					
5	204.01	14.18	5.69	6.11					
6	209.82	14.14	4.13	6.05					
7	213.23	14.12	3.28	5.67					
8	215.05	14.26	3.03	6.31					
9	218.45	14.45	1.28	6.74					
10	218.15	15.06	1.57	6.67					

Current	Last Spr		to Spring					
Grade	Mean	SD	Mean	SD				
2	176.50	19.72	13.18	9.31				
3	189.51	16.01	10.47	7.23				
4	199.83	15.02	6.86	6.57				
5	206.42	14.34	5.05	6.74				
6	211.67	14.42	3.59	6.68				
7	214.60	14.64	3.01	6.42				
8	216.33	14.65	2.71	7.45				
9	219.38	15.15	1.00	7.65				
10	218.73	15.98	1.42	8.55				

Current	Fall		To Winter		To Spring		To Next Fall	
Grade	Mean	SD	Mean	SD	Mean	SD	Mean	SD
2	174.51	16.58	10.43	6.61	15.17	9.83	14.80	9.55
3	189.41	15.20	7.42	5.61	10.57	7.69	9.90	7.64
4	198.83	14.66	5.58	5.26	7.86	6.90	7.05	6.72
5	205.63	13.87	4.07	5.21	5.83	6.78	5.23	7.01
6	210.73	13.79	3.21	5.23	4.53	6.84	3.82	6.85
7	214.02	13.82	2.49	5.14	3.59	6.61	3.18	6.38
8	216.17	14.17	1.91	5.40	2.86	7.22	2.18	7.32
9	218.37	14.15	1.35	5.65	2.00	7.79	1.18	7.16
10	218.93	15.04	0.79	6.03	1.22	8.61	1.09	7.41

Current	Winter		to Spring					
Grade	Mean	SD	Mean	SD				
2	184.94	15.34	4.74	5.70				
3	196.83	14.24	3.14	5.06				
4	204.41	13.83	2.28	4.84				
5	209.70	13.23	1.76	4.81				
6	213.94	13.30	1.32	4.83				
7	216.51	13.52	1.10	4.77				
8	218.08	13.92	0.96	4.93				
9	219.73	13.98	0.65	5.08				
10	219.72	14.99	0.42	5.32				

Table B.6: School Language Usage Growth Norms

Current Grade	Status		Growth		Growth		Growth	
	Last Win	Mean	SD	to Winter	Mean	SD		
2	169.56	7.42	15.38	2.64				
3	184.75	6.48	12.09	1.71				
4	196.54	6.21	7.87	1.51				
5	204.01	5.84	5.69	1.68				
6	209.82	5.85	4.13	1.65				
7	213.23	6.08	3.28	1.48				
8	215.05	6.51	3.03	1.67				
9	218.45	6.84	1.28	1.92				
10	218.15	7.45	1.57	1.94				

Current Grade	Last Spr		to Spring	
	Mean	SD	Mean	SD
2	176.50	8.07	13.18	3.22
3	189.51	6.78	10.47	2.29
4	199.83	6.33	6.86	1.97
5	206.42	6.02	5.05	2.06
6	211.67	6.01	3.59	1.94
7	214.60	6.50	3.01	1.84
8	216.33	6.70	2.71	2.14
9	219.38	7.24	1.00	2.29
10	218.73	7.70	1.42	2.54

Current Grade	Fall		To Winter		To Spring		To Next Fall	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
2	174.51	6.63	10.43	1.49	15.17	2.61	14.80	2.57
3	189.41	6.29	7.42	1.29	10.57	2.26	9.90	1.98
4	198.83	6.04	5.58	1.02	7.86	1.79	7.05	1.63
5	205.63	5.60	4.07	0.98	5.83	1.71	5.23	1.83
6	210.73	5.82	3.21	1.04	4.53	1.82	3.82	1.79
7	214.02	5.84	2.49	1.07	3.59	1.88	3.18	1.76
8	216.17	6.54	1.91	1.09	2.86	1.90	2.18	1.83
9	218.37	6.73	1.35	1.25	2.00	2.18	1.18	2.04
10	218.93	7.29	0.79	1.44	1.22	2.52	1.09	1.88

Current Grade	Winter		to Spring	
	Mean	SD	Mean	SD
2	184.94	6.63	4.74	1.12
3	196.83	6.16	3.14	0.97
4	204.41	5.91	2.28	0.77
5	209.70	5.55	1.76	0.74
6	213.94	5.81	1.32	0.78
7	216.51	5.88	1.10	0.81
8	218.08	6.66	0.96	0.82
9	219.73	6.80	0.65	0.94
10	219.72	7.32	0.42	1.08

Table B.7: Student General Science Growth Norms

Status		Growth		Growth		Growth		
Current	Last Win		to Winter					
Grade	Mean	SD	Mean	SD				
3	184.36	12.33	8.20	6.73				
4	192.38	11.28	6.35	6.32				
5	198.34	11.10	5.34	6.43				
6	202.96	11.92	4.10	6.54				
7	206.05	12.08	3.42	6.24				
8	208.90	12.17	3.39	6.72				
Current	Last Spr		to Spring					
Grade	Mean	SD	Mean	SD				
3	188.06	13.06	7.38	7.50				
4	195.11	11.66	5.88	6.82				
5	200.88	11.59	4.85	6.95				
6	204.93	12.53	3.72	7.08				
7	207.66	12.66	3.20	6.82				
8	210.39	12.66	3.14	7.50				
Current	Fall		To Winter		To Spring		To Next Fall	
Grade	Mean	SD	Mean	SD	Mean	SD	Mean	SD
3	187.47	11.74	5.08	6.28	7.96	8.02	8.25	7.83
4	194.58	11.16	4.15	5.94	6.41	7.19	6.92	6.83
5	200.23	11.06	3.45	5.92	5.49	7.13	5.21	6.85
6	204.31	11.54	2.75	5.92	4.34	7.14	4.43	7.11
7	207.18	11.92	2.29	5.91	3.68	7.10	4.38	6.72
8	210.29	12.28	2.00	6.09	3.24	7.56	3.37	7.37
Current	Winter		to Spring					
Grade	Mean	SD	Mean	SD				
3	192.56	10.92	2.88	5.85				
4	198.73	10.75	2.27	5.64				
5	203.69	10.80	2.04	5.63				
6	207.06	11.40	1.59	5.63				
7	209.47	11.87	1.39	5.62				
8	212.28	12.19	1.24	5.73				

Table B.8: School General Science Growth Norms

	Status		Growth		Growth		Growth	
Current	Last Win		to Winter					
Grade	Mean	SD	Mean	SD				
3	184.36	5.53	8.20	1.83				
4	192.38	5.15	6.35	1.67				
5	198.34	5.05	5.34	1.39				
6	202.96	5.51	4.10	1.58				
7	206.05	5.41	3.42	1.39				
8	208.90	5.62	3.39	1.41				
Current	Last Spr		to Spring					
Grade	Mean	SD	Mean	SD				
3	188.06	5.86	7.38	2.34				
4	195.11	5.40	5.88	2.18				
5	200.88	5.33	4.85	1.91				
6	204.93	5.74	3.72	1.82				
7	207.66	5.53	3.20	1.67				
8	210.39	5.66	3.14	1.83				
Current	Fall		To Winter		To Spring		To Next Fall	
Grade	Mean	SD	Mean	SD	Mean	SD	Mean	SD
3	187.47	5.44	5.08	1.24	7.96	2.16	8.25	1.96
4	194.58	5.11	4.15	1.07	6.41	1.87	6.92	1.61
5	200.23	5.10	3.45	1.07	5.49	1.87	5.21	1.49
6	204.31	5.41	2.75	0.91	4.34	1.58	4.43	1.78
7	207.18	5.30	2.29	0.79	3.68	1.39	4.38	1.48
8	210.29	5.78	2.00	0.99	3.24	1.72	3.37	1.51
Current	Winter		to Spring					
Grade	Mean	SD	Mean	SD				
3	192.56	5.30	2.88	0.93				
4	198.73	5.16	2.27	0.80				
5	203.69	5.14	2.04	0.80				
6	207.06	5.51	1.59	0.68				
7	209.47	5.43	1.39	0.60				
8	212.28	5.80	1.24	0.74				

Appendix C - Student and School Status Percentiles

Tables in this appendix provide percentile ranks for both student performance (Tables C.1.1 - C.1.12) and school performance (Tables C.2.1 - C.2.12). In each set of tables, there is one table for each combination of content area (mathematics, reading, language usage, and general science) and term (fall, winter, spring). As noted in the introduction to these appendices, the status estimates take into account the number of instructional weeks preceding a test administration.

Appendix C.1 - Student Status Percentiles

Table C.1.1: Fall Mathematics Student Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	105	132	146	160	170	177	181	184	185	188	184	187	1
2	109	136	150	163	174	181	186	189	190	193	190	192	2
3	112	138	152	166	176	184	188	191	193	196	193	196	3
4	114	140	154	167	178	186	190	194	195	199	196	198	4
5	115	141	155	169	179	187	192	195	197	200	198	200	5
6	117	142	156	170	181	189	193	197	199	202	200	202	6
7	118	143	157	171	182	190	195	198	200	204	201	204	7
8	119	144	158	172	183	191	196	199	201	205	203	205	8
9	120	145	159	173	183	192	197	200	202	206	204	207	9
10	121	146	160	174	184	193	198	201	203	207	205	208	10
11	122	147	161	174	185	193	199	202	204	208	206	209	11
12	122	147	161	175	186	194	199	203	205	209	207	210	12
13	123	148	162	176	186	195	200	204	206	210	208	211	13
14	124	149	163	176	187	196	201	205	207	211	209	212	14
15	124	149	163	177	188	196	202	205	208	211	210	213	15
16	125	150	164	177	188	197	202	206	209	212	211	213	16
17	126	150	164	178	189	197	203	207	209	213	211	214	17
18	126	151	165	178	189	198	203	207	210	214	212	215	18
19	127	151	165	179	190	199	204	208	211	214	213	216	19
20	127	152	166	179	190	199	205	209	211	215	214	216	20
21	128	152	166	180	191	200	205	209	212	216	214	217	21
22	128	152	167	180	191	200	206	210	213	216	215	218	22
23	129	153	167	181	192	201	206	210	213	217	216	219	23
24	129	153	168	181	192	201	207	211	214	217	216	219	24
25	130	154	168	182	193	202	207	211	214	218	217	220	25
26	130	154	168	182	193	202	208	212	215	219	217	220	26
27	131	155	169	182	194	202	208	212	215	219	218	221	27
28	131	155	169	183	194	203	209	213	216	220	219	222	28
29	132	155	170	183	194	203	209	213	216	220	219	222	29
30	132	156	170	184	195	204	209	214	217	221	220	223	30
31	133	156	170	184	195	204	210	214	217	221	220	223	31
32	133	156	171	184	196	205	210	215	218	222	221	224	32
33	133	157	171	185	196	205	211	215	218	222	221	225	33
34	134	157	171	185	196	205	211	216	219	223	222	225	34
35	134	157	172	185	197	206	212	216	219	223	223	226	35
36	135	158	172	186	197	206	212	217	220	224	223	226	36
37	135	158	173	186	197	207	212	217	220	224	224	227	37
38	135	158	173	186	198	207	213	218	221	225	224	227	38
39	136	159	173	187	198	207	213	218	221	225	225	228	39
40	136	159	174	187	198	208	214	218	222	226	225	228	40
41	137	159	174	187	199	208	214	219	222	226	226	229	41
42	137	160	174	188	199	208	214	219	223	227	226	229	42
43	137	160	175	188	200	209	215	220	223	227	227	230	43
44	138	160	175	188	200	209	215	220	224	228	227	230	44
45	138	161	175	189	200	210	216	221	224	228	228	231	45
46	139	161	176	189	201	210	216	221	225	228	228	231	46
47	139	161	176	189	201	210	216	221	225	229	229	232	47
48	139	162	176	190	201	211	217	222	225	229	229	232	48
49	140	162	177	190	202	211	217	222	226	230	230	233	49

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Table C.1.1: Fall Mathematics Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	140	162	177	190	202	211	218	223	226	230	230	233	50
51	140	163	177	191	202	212	218	223	227	231	231	234	51
52	141	163	178	191	203	212	218	223	227	231	231	234	52
53	141	163	178	191	203	213	219	224	228	232	232	235	53
54	142	164	178	192	203	213	219	224	228	232	232	235	54
55	142	164	179	192	204	213	220	225	229	233	233	236	55
56	142	164	179	192	204	214	220	225	229	233	233	236	56
57	143	165	179	193	204	214	220	226	229	233	234	237	57
58	143	165	180	193	205	214	221	226	230	234	234	237	58
59	143	165	180	193	205	215	221	226	230	234	235	238	59
60	144	166	180	194	205	215	222	227	231	235	235	238	60
61	144	166	181	194	206	216	222	227	231	235	236	239	61
62	145	166	181	194	206	216	222	228	232	236	236	239	62
63	145	167	181	195	207	216	223	228	232	236	237	240	63
64	145	167	182	195	207	217	223	229	233	237	237	240	64
65	146	167	182	195	207	217	224	229	233	237	238	241	65
66	146	168	182	196	208	217	224	229	234	238	238	242	66
67	147	168	183	196	208	218	224	230	234	238	239	242	67
68	147	168	183	197	208	218	225	230	235	239	239	243	68
69	148	169	183	197	209	219	225	231	235	239	240	243	69
70	148	169	184	197	209	219	226	231	236	240	240	244	70
71	148	170	184	198	210	220	226	232	236	240	241	244	71
72	149	170	185	198	210	220	227	232	237	241	241	245	72
73	149	170	185	198	210	220	227	233	237	241	242	246	73
74	150	171	185	199	211	221	228	233	238	242	243	246	74
75	150	171	186	199	211	221	228	234	238	243	243	247	75
76	151	172	186	200	212	222	229	234	239	243	244	247	76
77	151	172	187	200	212	222	229	235	239	244	245	248	77
78	152	172	187	201	213	223	230	235	240	244	245	249	78
79	152	173	188	201	213	223	230	236	241	245	246	249	79
80	153	173	188	201	214	224	231	237	241	246	247	250	80
81	153	174	189	202	214	224	231	237	242	246	247	251	81
82	154	174	189	202	215	225	232	238	243	247	248	252	82
83	154	175	190	203	215	225	232	238	243	248	249	252	83
84	155	175	190	203	216	226	233	239	244	248	250	253	84
85	156	176	191	204	216	227	234	240	245	249	250	254	85
86	156	176	191	205	217	227	234	241	246	250	251	255	86
87	157	177	192	205	217	228	235	241	246	251	252	256	87
88	158	178	192	206	218	229	236	242	247	252	253	257	88
89	159	178	193	206	219	229	237	243	248	253	254	258	89
90	159	179	194	207	220	230	238	244	249	254	255	259	90
91	160	180	195	208	220	231	238	245	250	255	256	260	91
92	161	180	195	209	221	232	239	246	251	256	258	261	92
93	162	181	196	210	222	233	241	247	253	257	259	263	93
94	163	182	197	211	223	234	242	248	254	258	261	264	94
95	165	184	199	212	225	236	243	250	256	260	262	266	95
96	166	185	200	213	226	237	245	252	258	262	264	268	96
97	168	187	202	215	228	239	247	254	260	264	267	271	97
98	171	189	204	217	230	242	250	257	263	268	270	274	98
99	175	192	208	221	234	246	254	261	268	272	276	280	99

Table C.1.2: Winter Mathematics Student Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	119	144	156	167	176	182	185	186	187	189	185	187	1
2	123	147	159	171	179	186	189	191	192	194	190	193	2
3	125	149	162	173	182	188	192	194	195	197	194	196	3
4	127	151	163	175	184	190	194	196	197	200	196	199	4
5	129	153	165	176	185	192	196	198	199	202	199	201	5
6	130	154	166	178	187	193	197	200	201	203	200	203	6
7	131	155	167	179	188	195	198	201	202	205	202	205	7
8	132	156	168	180	189	196	200	202	203	206	203	206	8
9	133	156	169	180	190	197	201	203	205	207	205	207	9
10	134	157	170	181	190	198	202	204	206	208	206	208	10
11	134	158	170	182	191	198	202	205	207	209	207	210	11
12	135	159	171	183	192	199	203	206	208	210	208	211	12
13	136	159	172	183	193	200	204	207	209	211	209	212	13
14	136	160	172	184	193	201	205	208	209	212	210	213	14
15	137	160	173	184	194	201	205	208	210	213	211	213	15
16	138	161	173	185	195	202	206	209	211	214	212	214	16
17	138	161	174	186	195	203	207	210	212	214	212	215	17
18	139	162	174	186	196	203	207	210	212	215	213	216	18
19	139	162	175	187	196	204	208	211	213	216	214	217	19
20	140	163	175	187	197	204	209	212	214	217	215	217	20
21	140	163	176	187	197	205	209	212	214	217	215	218	21
22	141	164	176	188	198	205	210	213	215	218	216	219	22
23	141	164	177	188	198	206	210	214	216	218	217	219	23
24	142	165	177	189	199	206	211	214	216	219	217	220	24
25	142	165	178	189	199	207	211	215	217	220	218	221	25
26	143	166	178	190	200	207	212	215	217	220	219	221	26
27	143	166	178	190	200	208	212	216	218	221	219	222	27
28	143	166	179	190	200	208	213	216	218	221	220	223	28
29	144	167	179	191	201	209	213	217	219	222	220	223	29
30	144	167	180	191	201	209	214	217	220	222	221	224	30
31	145	167	180	192	202	210	214	218	220	223	222	224	31
32	145	168	180	192	202	210	215	218	221	224	222	225	32
33	145	168	181	192	202	210	215	219	221	224	223	225	33
34	146	169	181	193	203	211	215	219	222	225	223	226	34
35	146	169	181	193	203	211	216	220	222	225	224	227	35
36	146	169	182	193	204	212	216	220	223	226	224	227	36
37	147	170	182	194	204	212	217	220	223	226	225	228	37
38	147	170	182	194	204	213	217	221	224	227	225	228	38
39	148	170	183	194	205	213	218	221	224	227	226	229	39
40	148	171	183	195	205	213	218	222	225	228	226	229	40
41	148	171	183	195	205	214	218	222	225	228	227	230	41
42	149	171	184	196	206	214	219	223	225	228	227	230	42
43	149	172	184	196	206	215	219	223	226	229	228	231	43
44	149	172	184	196	207	215	220	224	226	229	228	231	44
45	150	172	185	197	207	215	220	224	227	230	229	232	45
46	150	173	185	197	207	216	220	224	227	230	230	232	46
47	150	173	185	197	208	216	221	225	228	231	230	233	47
48	151	173	186	198	208	216	221	225	228	231	231	233	48
49	151	174	186	198	208	217	222	226	229	232	231	234	49

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Table C.1.2: Winter Mathematics Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	151	174	186	198	209	217	222	226	229	232	232	234	50
51	152	174	187	199	209	218	222	227	230	233	232	235	51
52	152	174	187	199	209	218	223	227	230	233	233	235	52
53	153	175	187	199	210	218	223	227	231	234	233	236	53
54	153	175	188	200	210	219	224	228	231	234	234	236	54
55	153	175	188	200	211	219	224	228	231	235	234	237	55
56	154	176	188	200	211	220	224	229	232	235	235	237	56
57	154	176	189	201	211	220	225	229	232	236	235	238	57
58	154	176	189	201	212	220	225	230	233	236	236	238	58
59	155	177	189	201	212	221	226	230	233	236	236	239	59
60	155	177	190	202	212	221	226	230	234	237	237	239	60
61	155	177	190	202	213	222	227	231	234	237	237	240	61
62	156	178	190	202	213	222	227	231	235	238	238	241	62
63	156	178	191	203	213	222	227	232	235	238	238	241	63
64	156	178	191	203	214	223	228	232	236	239	239	242	64
65	157	179	191	203	214	223	228	233	236	239	239	242	65
66	157	179	192	204	215	224	229	233	237	240	240	243	66
67	158	180	192	204	215	224	229	234	237	240	240	243	67
68	158	180	193	204	215	224	230	234	238	241	241	244	68
69	158	180	193	205	216	225	230	235	238	241	241	244	69
70	159	181	193	205	216	225	230	235	239	242	242	245	70
71	159	181	194	206	217	226	231	236	239	243	243	246	71
72	160	181	194	206	217	226	231	236	240	243	243	246	72
73	160	182	194	206	217	227	232	237	240	244	244	247	73
74	160	182	195	207	218	227	232	237	241	244	244	247	74
75	161	183	195	207	218	228	233	238	241	245	245	248	75
76	161	183	196	208	219	228	233	238	242	245	246	249	76
77	162	183	196	208	219	229	234	239	243	246	246	249	77
78	162	184	197	208	220	229	234	239	243	247	247	250	78
79	163	184	197	209	220	230	235	240	244	247	248	251	79
80	163	185	197	209	221	230	236	240	245	248	248	251	80
81	164	185	198	210	221	231	236	241	245	249	249	252	81
82	164	186	198	210	222	231	237	242	246	249	250	253	82
83	165	186	199	211	222	232	237	242	247	250	251	254	83
84	165	187	199	211	223	232	238	243	247	251	251	254	84
85	166	187	200	212	223	233	239	244	248	252	252	255	85
86	167	188	201	213	224	234	239	245	249	252	253	256	86
87	167	188	201	213	225	234	240	245	250	253	254	257	87
88	168	189	202	214	225	235	241	246	251	254	255	258	88
89	169	190	202	215	226	236	242	247	252	255	256	259	89
90	169	190	203	215	227	237	243	248	253	256	257	260	90
91	170	191	204	216	228	238	244	249	254	257	258	261	91
92	171	192	205	217	229	239	245	250	255	258	260	263	92
93	172	193	206	218	230	240	246	251	256	260	261	264	93
94	173	194	207	219	231	241	247	253	258	261	263	266	94
95	174	195	208	220	232	242	248	254	259	263	264	268	95
96	176	197	209	221	234	244	250	256	261	265	267	270	96
97	178	198	211	223	236	246	252	258	264	267	269	272	97
98	180	200	213	226	238	249	255	261	267	270	273	276	98
99	184	204	217	229	242	253	259	266	272	276	278	281	99

Table C.1.3: Spring Mathematics Student Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	127	149	161	171	179	184	186	187	186	188	184	185	1
2	131	153	164	175	183	188	191	192	192	193	189	191	2
3	133	155	167	177	185	191	194	195	195	197	193	195	3
4	135	157	168	179	187	193	196	198	197	199	196	198	4
5	137	158	170	181	189	195	198	199	199	201	198	200	5
6	138	160	171	182	190	196	199	201	201	203	200	202	6
7	139	161	172	183	191	197	201	202	203	205	201	204	7
8	140	162	173	184	192	199	202	204	204	206	203	205	8
9	141	163	174	185	193	200	203	205	205	207	204	206	9
10	142	163	175	186	194	201	204	206	206	208	206	208	10
11	142	164	175	186	195	202	205	207	207	209	207	209	11
12	143	165	176	187	196	202	206	208	208	210	208	210	12
13	144	165	177	188	197	203	207	209	209	211	209	211	13
14	144	166	177	188	197	204	207	209	210	212	210	212	14
15	145	167	178	189	198	205	208	210	211	213	211	213	15
16	146	167	179	190	199	205	209	211	212	214	212	214	16
17	146	168	179	190	199	206	209	212	213	215	212	215	17
18	147	168	180	191	200	207	210	212	213	216	213	215	18
19	147	169	180	191	200	207	211	213	214	216	214	216	19
20	148	169	181	192	201	208	211	214	215	217	215	217	20
21	148	170	181	192	201	208	212	214	216	218	215	218	21
22	149	170	182	193	202	209	212	215	216	218	216	219	22
23	149	171	182	193	202	209	213	216	217	219	217	219	23
24	149	171	183	194	203	210	214	216	217	220	218	220	24
25	150	172	183	194	203	210	214	217	218	220	218	221	25
26	150	172	183	195	204	211	215	217	219	221	219	221	26
27	151	172	184	195	204	211	215	218	219	221	220	222	27
28	151	173	184	195	205	212	216	218	220	222	220	223	28
29	152	173	185	196	205	212	216	219	220	223	221	223	29
30	152	174	185	196	206	213	217	219	221	223	221	224	30
31	152	174	185	197	206	213	217	220	221	224	222	224	31
32	153	174	186	197	206	214	218	220	222	224	223	225	32
33	153	175	186	197	207	214	218	221	223	225	223	226	33
34	153	175	187	198	207	215	218	221	223	225	224	226	34
35	154	176	187	198	208	215	219	222	224	226	224	227	35
36	154	176	187	198	208	216	219	222	224	226	225	227	36
37	155	176	188	199	209	216	220	223	225	227	225	228	37
38	155	177	188	199	209	216	220	223	225	227	226	228	38
39	155	177	188	200	209	217	221	224	226	228	227	229	39
40	156	177	189	200	210	217	221	224	226	228	227	230	40
41	156	178	189	200	210	218	222	225	227	229	228	230	41
42	156	178	189	201	210	218	222	225	227	229	228	231	42
43	157	178	190	201	211	219	222	225	228	230	229	231	43
44	157	179	190	201	211	219	223	226	228	230	229	232	44
45	157	179	190	202	212	219	223	226	229	231	230	232	45
46	158	179	191	202	212	220	224	227	229	231	230	233	46
47	158	180	191	202	212	220	224	227	229	232	231	233	47
48	158	180	191	203	213	221	224	228	230	232	231	234	48
49	159	180	192	203	213	221	225	228	230	233	232	234	49

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Table C.1.3: Spring Mathematics Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	159	181	192	203	213	221	225	229	231	233	232	235	50
51	159	181	192	204	214	222	226	229	231	234	233	236	51
52	160	181	193	204	214	222	226	229	232	234	233	236	52
53	160	182	193	204	215	223	227	230	232	235	234	237	53
54	161	182	193	205	215	223	227	230	233	235	234	237	54
55	161	183	194	205	215	223	227	231	233	236	235	238	55
56	161	183	194	205	216	224	228	231	234	236	236	238	56
57	162	183	194	206	216	224	228	232	234	237	236	239	57
58	162	184	195	206	217	225	229	232	235	237	237	239	58
59	162	184	195	207	217	225	229	233	235	238	237	240	59
60	163	184	196	207	217	225	230	233	236	238	238	240	60
61	163	185	196	207	218	226	230	234	236	239	238	241	61
62	163	185	196	208	218	226	230	234	237	239	239	241	62
63	164	185	197	208	218	227	231	234	237	240	239	242	63
64	164	186	197	208	219	227	231	235	238	240	240	243	64
65	164	186	197	209	219	228	232	235	238	241	240	243	65
66	165	186	198	209	220	228	232	236	239	241	241	244	66
67	165	187	198	209	220	228	233	236	239	242	242	244	67
68	166	187	198	210	220	229	233	237	240	243	242	245	68
69	166	188	199	210	221	229	234	237	240	243	243	246	69
70	166	188	199	211	221	230	234	238	241	244	243	246	70
71	167	188	200	211	222	230	235	238	242	244	244	247	71
72	167	189	200	211	222	231	235	239	242	245	245	247	72
73	168	189	200	212	223	231	236	239	243	245	245	248	73
74	168	190	201	212	223	232	236	240	243	246	246	249	74
75	168	190	201	213	224	232	237	241	244	247	246	249	75
76	169	190	202	213	224	233	237	241	244	247	247	250	76
77	169	191	202	214	225	233	238	242	245	248	248	251	77
78	170	191	203	214	225	234	238	242	246	248	249	251	78
79	170	192	203	215	226	234	239	243	246	249	249	252	79
80	171	192	204	215	226	235	239	244	247	250	250	253	80
81	171	193	204	216	227	236	240	244	248	251	251	254	81
82	172	193	205	216	227	236	241	245	248	251	252	254	82
83	172	194	205	217	228	237	241	245	249	252	252	255	83
84	173	194	206	217	228	237	242	246	250	253	253	256	84
85	173	195	206	218	229	238	243	247	251	254	254	257	85
86	174	196	207	218	230	239	243	248	252	254	255	258	86
87	175	196	207	219	230	240	244	249	252	255	256	259	87
88	175	197	208	220	231	240	245	249	253	256	257	260	88
89	176	198	209	220	232	241	246	250	254	257	258	261	89
90	177	198	209	221	233	242	247	251	255	258	259	262	90
91	177	199	210	222	234	243	248	252	257	260	260	264	91
92	178	200	211	223	235	244	249	253	258	261	262	265	92
93	179	201	212	224	236	245	250	255	259	262	263	266	93
94	180	202	213	225	237	247	251	256	261	264	265	268	94
95	182	203	214	226	238	248	253	258	262	266	267	270	95
96	183	205	216	228	240	250	255	260	264	268	269	272	96
97	185	206	218	229	242	252	257	262	267	270	272	275	97
98	187	209	220	232	244	255	260	265	270	273	275	279	98
99	191	213	224	236	248	259	264	270	275	279	281	285	99

Table C.1.4: Fall Reading Student Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	110	130	139	151	162	170	176	179	181	184	181	184	1
2	113	134	143	156	166	175	180	183	185	188	186	188	2
3	116	136	146	158	169	177	183	186	188	191	189	191	3
4	117	138	148	161	171	179	185	188	190	193	191	193	4
5	119	139	149	162	173	181	186	189	191	194	193	195	5
6	120	140	151	164	174	182	188	191	193	196	194	197	6
7	121	141	152	165	175	183	189	192	194	197	196	198	7
8	122	142	153	166	176	184	190	193	195	198	197	199	8
9	123	143	154	167	177	185	191	194	196	199	198	200	9
10	124	144	155	168	178	186	192	195	197	200	199	201	10
11	124	145	156	169	179	187	193	196	198	201	200	202	11
12	125	145	156	170	180	188	193	196	199	202	201	203	12
13	126	146	157	170	181	189	194	197	200	203	201	204	13
14	126	147	158	171	181	189	195	198	200	203	202	205	14
15	127	147	159	172	182	190	196	199	201	204	203	205	15
16	128	148	159	173	183	191	196	199	202	205	204	206	16
17	128	148	160	173	183	191	197	200	202	205	204	207	17
18	129	149	161	174	184	192	197	200	203	206	205	207	18
19	129	149	161	174	185	192	198	201	203	206	206	208	19
20	130	150	162	175	185	193	198	202	204	207	206	209	20
21	130	150	162	176	186	193	199	202	205	208	207	209	21
22	131	151	163	176	186	194	199	203	205	208	207	210	22
23	131	151	163	177	187	194	200	203	206	209	208	210	23
24	131	151	164	177	187	195	200	204	206	209	209	211	24
25	132	152	164	178	188	195	201	204	207	210	209	211	25
26	132	152	165	178	188	196	201	205	207	210	210	212	26
27	133	153	165	179	189	196	202	205	208	211	210	212	27
28	133	153	166	179	189	197	202	206	208	211	211	213	28
29	134	153	166	180	190	197	203	206	209	212	211	213	29
30	134	154	167	180	190	198	203	206	209	212	212	214	30
31	134	154	167	180	190	198	204	207	209	212	212	214	31
32	135	155	167	181	191	199	204	207	210	213	213	215	32
33	135	155	168	181	191	199	204	208	210	213	213	215	33
34	135	155	168	182	192	199	205	208	211	214	213	216	34
35	136	156	169	182	192	200	205	209	211	214	214	216	35
36	136	156	169	183	193	200	206	209	212	215	214	217	36
37	137	156	170	183	193	201	206	209	212	215	215	217	37
38	137	157	170	183	193	201	206	210	212	215	215	218	38
39	137	157	170	184	194	201	207	210	213	216	216	218	39
40	138	157	171	184	194	202	207	211	213	216	216	218	40
41	138	158	171	185	195	202	208	211	214	217	217	219	41
42	138	158	172	185	195	203	208	211	214	217	217	219	42
43	139	158	172	185	195	203	208	212	214	217	217	220	43
44	139	159	172	186	196	203	209	212	215	218	218	220	44
45	139	159	173	186	196	204	209	213	215	218	218	221	45
46	140	159	173	187	197	204	209	213	216	219	219	221	46
47	140	160	174	187	197	205	210	213	216	219	219	221	47
48	140	160	174	187	197	205	210	214	216	219	220	222	48
49	141	160	174	188	198	205	211	214	217	220	220	222	49

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Table C.1.4: Fall Reading Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	141	161	175	188	198	206	211	214	217	220	220	223	50
51	141	161	175	189	199	206	211	215	218	221	221	223	51
52	142	161	175	189	199	206	212	215	218	221	221	223	52
53	142	162	176	189	199	207	212	216	218	221	222	224	53
54	142	162	176	190	200	207	212	216	219	222	222	224	54
55	143	162	177	190	200	208	213	216	219	222	223	225	55
56	143	163	177	191	201	208	213	217	220	223	223	225	56
57	143	163	177	191	201	208	214	217	220	223	223	226	57
58	144	163	178	191	201	209	214	218	220	223	224	226	58
59	144	164	178	192	202	209	214	218	221	224	224	226	59
60	144	164	179	192	202	210	215	218	221	224	225	227	60
61	145	164	179	193	203	210	215	219	222	225	225	227	61
62	145	165	179	193	203	210	216	219	222	225	226	228	62
63	146	165	180	194	203	211	216	220	222	225	226	228	63
64	146	165	180	194	204	211	216	220	223	226	226	229	64
65	146	166	181	194	204	212	217	220	223	226	227	229	65
66	147	166	181	195	205	212	217	221	224	227	227	230	66
67	147	166	182	195	205	212	218	221	224	227	228	230	67
68	147	167	182	196	205	213	218	222	225	228	228	230	68
69	148	167	182	196	206	213	218	222	225	228	229	231	69
70	148	168	183	197	206	214	219	222	225	228	229	231	70
71	149	168	183	197	207	214	219	223	226	229	230	232	71
72	149	168	184	198	207	214	220	223	226	229	230	232	72
73	149	169	184	198	208	215	220	224	227	230	231	233	73
74	150	169	185	198	208	215	221	224	227	230	231	233	74
75	150	170	185	199	209	216	221	225	228	231	232	234	75
76	151	170	186	199	209	216	222	225	228	231	232	234	76
77	151	170	186	200	210	217	222	226	229	232	233	235	77
78	152	171	187	201	210	217	223	226	229	232	233	236	78
79	152	171	187	201	211	218	223	227	230	233	234	236	79
80	152	172	188	202	211	218	224	227	230	233	235	237	80
81	153	172	188	202	212	219	224	228	231	234	235	237	81
82	153	173	189	203	212	220	225	228	232	235	236	238	82
83	154	173	190	203	213	220	225	229	232	235	237	239	83
84	155	174	190	204	214	221	226	230	233	236	237	239	84
85	155	174	191	205	214	221	226	230	234	236	238	240	85
86	156	175	191	205	215	222	227	231	234	237	239	241	86
87	156	175	192	206	216	223	228	232	235	238	239	241	87
88	157	176	193	207	216	223	229	232	236	239	240	242	88
89	158	177	194	208	217	224	229	233	237	239	241	243	89
90	158	177	195	209	218	225	230	234	237	240	242	244	90
91	159	178	196	210	219	226	231	235	238	241	243	245	91
92	160	179	197	211	220	227	232	236	239	242	244	246	92
93	161	180	198	212	221	228	233	237	240	243	245	247	93
94	162	181	199	213	222	229	234	238	242	245	247	249	94
95	163	182	200	214	224	231	236	240	243	246	248	250	95
96	165	184	202	216	225	232	237	241	245	248	250	252	96
97	167	185	204	218	227	234	239	243	247	250	252	254	97
98	169	188	207	221	230	237	242	246	250	252	255	257	98
99	173	191	211	225	234	241	246	250	254	257	260	262	99

Table C.1.5: Winter Reading Student Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	122	140	149	160	169	176	180	182	183	185	182	184	1
2	125	144	153	165	173	180	184	186	188	189	187	189	2
3	127	146	156	167	175	182	187	189	190	192	190	192	3
4	129	148	158	169	177	184	189	191	192	194	192	194	4
5	130	149	160	171	179	186	190	192	194	196	194	195	5
6	132	150	161	172	180	187	192	194	195	197	195	197	6
7	133	152	162	173	182	188	193	195	196	198	196	198	7
8	133	153	163	174	183	189	194	196	197	199	198	199	8
9	134	153	164	175	184	190	195	197	198	200	199	201	9
10	135	154	165	176	184	191	196	198	199	201	200	202	10
11	136	155	166	177	185	192	196	199	200	202	201	202	11
12	136	156	167	178	186	193	197	199	201	203	201	203	12
13	137	156	167	179	187	193	198	200	202	204	202	204	13
14	138	157	168	179	187	194	199	201	202	204	203	205	14
15	138	157	169	180	188	195	199	201	203	205	204	206	15
16	139	158	169	181	189	195	200	202	204	206	204	206	16
17	139	159	170	181	189	196	200	203	204	206	205	207	17
18	140	159	170	182	190	196	201	203	205	207	206	208	18
19	140	160	171	182	190	197	201	204	206	208	206	208	19
20	141	160	172	183	191	197	202	204	206	208	207	209	20
21	141	161	172	183	192	198	202	205	207	209	208	209	21
22	142	161	173	184	192	199	203	205	207	209	208	210	22
23	142	162	173	184	193	199	203	206	208	210	209	210	23
24	142	162	174	185	193	199	204	206	208	210	209	211	24
25	143	162	174	185	194	200	204	207	209	211	210	212	25
26	143	163	175	186	194	200	205	207	209	211	210	212	26
27	144	163	175	186	194	201	205	208	210	212	211	213	27
28	144	164	175	187	195	201	206	208	210	212	211	213	28
29	144	164	176	187	195	202	206	209	211	213	212	214	29
30	145	164	176	188	196	202	207	209	211	213	212	214	30
31	145	165	177	188	196	203	207	209	211	214	213	214	31
32	145	165	177	189	197	203	207	210	212	214	213	215	32
33	146	166	178	189	197	203	208	210	212	214	214	215	33
34	146	166	178	189	197	204	208	211	213	215	214	216	34
35	146	166	178	190	198	204	209	211	213	215	215	216	35
36	147	167	179	190	198	205	209	212	214	216	215	217	36
37	147	167	179	191	199	205	209	212	214	216	215	217	37
38	147	167	180	191	199	205	210	212	214	217	216	218	38
39	148	168	180	191	199	206	210	213	215	217	216	218	39
40	148	168	180	192	200	206	211	213	215	217	217	219	40
41	148	168	181	192	200	206	211	214	216	218	217	219	41
42	149	169	181	193	201	207	211	214	216	218	218	219	42
43	149	169	182	193	201	207	212	214	216	219	218	220	43
44	149	169	182	193	201	208	212	215	217	219	218	220	44
45	150	170	182	194	202	208	212	215	217	219	219	221	45
46	150	170	183	194	202	208	213	215	218	220	219	221	46
47	150	171	183	194	202	209	213	216	218	220	220	221	47
48	151	171	183	195	203	209	213	216	218	220	220	222	48
49	151	171	184	195	203	209	214	217	219	221	221	222	49

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Table C.1.5: Winter Reading Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	151	172	184	196	204	210	214	217	219	221	221	223	50
51	152	172	185	196	204	210	215	217	219	222	221	223	51
52	152	172	185	196	204	211	215	218	220	222	222	224	52
53	152	173	185	197	205	211	215	218	220	222	222	224	53
54	153	173	186	197	205	211	216	218	221	223	223	224	54
55	153	173	186	198	205	212	216	219	221	223	223	225	55
56	153	174	186	198	206	212	216	219	221	224	224	225	56
57	154	174	187	198	206	212	217	220	222	224	224	226	57
58	154	174	187	199	207	213	217	220	222	224	224	226	58
59	154	175	188	199	207	213	218	220	223	225	225	226	59
60	155	175	188	199	207	214	218	221	223	225	225	227	60
61	155	175	188	200	208	214	218	221	223	226	226	227	61
62	155	176	189	200	208	214	219	221	224	226	226	228	62
63	156	176	189	201	209	215	219	222	224	226	227	228	63
64	156	176	190	201	209	215	219	222	225	227	227	229	64
65	156	177	190	201	209	215	220	223	225	227	227	229	65
66	157	177	190	202	210	216	220	223	225	228	228	230	66
67	157	177	191	202	210	216	221	224	226	228	228	230	67
68	157	178	191	203	211	217	221	224	226	229	229	230	68
69	158	178	192	203	211	217	221	224	227	229	229	231	69
70	158	179	192	204	211	218	222	225	227	229	230	231	70
71	158	179	192	204	212	218	222	225	228	230	230	232	71
72	159	179	193	204	212	218	223	226	228	230	231	232	72
73	159	180	193	205	213	219	223	226	229	231	231	233	73
74	160	180	194	205	213	219	224	227	229	231	232	233	74
75	160	181	194	206	214	220	224	227	229	232	232	234	75
76	160	181	195	206	214	220	224	227	230	232	233	234	76
77	161	182	195	207	215	221	225	228	230	233	233	235	77
78	161	182	196	207	215	221	225	228	231	233	234	235	78
79	162	182	196	208	216	222	226	229	231	234	234	236	79
80	162	183	197	208	216	222	226	230	232	234	235	237	80
81	163	183	197	209	217	223	227	230	233	235	236	237	81
82	163	184	198	209	217	223	228	231	233	235	236	238	82
83	163	184	198	210	218	224	228	231	234	236	237	238	83
84	164	185	199	211	218	224	229	232	234	237	238	239	84
85	165	186	200	211	219	225	229	232	235	237	238	240	85
86	165	186	200	212	220	226	230	233	236	238	239	241	86
87	166	187	201	213	220	226	231	234	236	239	240	241	87
88	166	187	202	213	221	227	231	235	237	240	241	242	88
89	167	188	203	214	222	228	232	235	238	240	241	243	89
90	168	189	203	215	223	229	233	236	239	241	242	244	90
91	168	190	204	216	224	229	234	237	240	242	243	245	91
92	169	191	205	217	225	230	235	238	241	243	244	246	92
93	170	192	206	218	226	231	236	239	242	244	246	247	93
94	171	193	207	219	227	233	237	240	243	245	247	248	94
95	172	194	209	221	228	234	238	242	244	247	248	250	95
96	174	195	210	222	230	235	240	243	246	248	250	252	96
97	175	197	212	224	232	237	242	245	248	251	252	254	97
98	177	199	215	227	234	240	244	248	251	253	255	257	98
99	181	203	219	231	238	244	248	252	255	257	260	261	99

Table C.1.6: Spring Reading Student Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	128	144	153	164	171	178	182	183	183	184	181	181	1
2	132	148	157	168	175	182	186	187	188	189	185	186	2
3	134	150	160	170	178	184	188	190	190	191	188	189	3
4	136	152	162	172	180	186	190	192	193	193	191	191	4
5	137	154	164	174	181	188	192	193	194	195	192	193	5
6	138	155	165	175	183	189	193	195	196	197	194	195	6
7	139	156	166	176	184	190	194	196	197	198	195	196	7
8	140	157	167	177	185	191	195	197	198	199	197	197	8
9	141	158	168	178	186	192	196	198	199	200	198	199	9
10	142	159	169	179	187	193	197	199	200	201	199	200	10
11	142	160	170	180	188	194	198	200	201	202	200	201	11
12	143	160	171	181	188	194	199	200	202	203	201	202	12
13	144	161	172	182	189	195	199	201	202	204	201	202	13
14	144	162	172	182	190	196	200	202	203	204	202	203	14
15	145	162	173	183	190	197	201	202	204	205	203	204	15
16	145	163	174	184	191	197	201	203	204	206	204	205	16
17	146	164	174	184	192	198	202	204	205	206	205	205	17
18	146	164	175	185	192	198	202	204	206	207	205	206	18
19	147	165	175	185	193	199	203	205	206	208	206	207	19
20	147	165	176	186	193	199	203	205	207	208	206	207	20
21	148	166	176	186	194	200	204	206	207	209	207	208	21
22	148	166	177	187	194	200	204	206	208	209	208	209	22
23	149	167	177	187	195	201	205	207	208	210	208	209	23
24	149	167	178	188	195	201	205	207	209	210	209	210	24
25	149	168	178	188	196	202	206	208	209	211	209	210	25
26	150	168	179	189	196	202	206	208	210	211	210	211	26
27	150	169	179	189	197	203	207	209	210	212	210	211	27
28	151	169	180	190	197	203	207	209	211	212	211	212	28
29	151	169	180	190	198	204	208	210	211	213	212	213	29
30	151	170	181	191	198	204	208	210	212	213	212	213	30
31	152	170	181	191	199	204	208	211	212	214	213	214	31
32	152	171	182	192	199	205	209	211	213	214	213	214	32
33	152	171	182	192	199	205	209	211	213	215	213	215	33
34	153	172	182	192	200	206	210	212	214	215	214	215	34
35	153	172	183	193	200	206	210	212	214	216	214	216	35
36	154	172	183	193	201	207	210	213	214	216	215	216	36
37	154	173	184	194	201	207	211	213	215	216	215	216	37
38	154	173	184	194	201	207	211	214	215	217	216	217	38
39	155	173	184	194	202	208	212	214	216	217	216	217	39
40	155	174	185	195	202	208	212	214	216	218	217	218	40
41	155	174	185	195	203	208	212	215	216	218	217	218	41
42	156	175	186	196	203	209	213	215	217	219	218	219	42
43	156	175	186	196	203	209	213	215	217	219	218	219	43
44	156	175	186	196	204	210	214	216	218	219	219	220	44
45	157	176	187	197	204	210	214	216	218	220	219	220	45
46	157	176	187	197	204	210	214	217	218	220	219	221	46
47	157	176	188	197	205	211	215	217	219	221	220	221	47
48	158	177	188	198	205	211	215	217	219	221	220	221	48
49	158	177	188	198	206	211	215	218	220	221	221	222	49

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Table C.1.6: Spring Reading Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	158	178	189	199	206	212	216	218	220	222	221	222	50
51	158	178	189	199	206	212	216	219	220	222	222	223	51
52	159	178	189	199	207	213	216	219	221	223	222	223	52
53	159	179	190	200	207	213	217	219	221	223	222	224	53
54	159	179	190	200	207	213	217	220	222	223	223	224	54
55	160	179	191	201	208	214	218	220	222	224	223	225	55
56	160	180	191	201	208	214	218	220	222	224	224	225	56
57	160	180	191	201	209	214	218	221	223	225	224	225	57
58	161	180	192	202	209	215	219	221	223	225	225	226	58
59	161	181	192	202	209	215	219	222	224	226	225	226	59
60	161	181	193	202	210	216	219	222	224	226	226	227	60
61	162	182	193	203	210	216	220	222	224	226	226	227	61
62	162	182	193	203	210	216	220	223	225	227	227	228	62
63	162	182	194	204	211	217	221	223	225	227	227	228	63
64	163	183	194	204	211	217	221	224	226	228	227	229	64
65	163	183	195	204	212	217	221	224	226	228	228	229	65
66	163	184	195	205	212	218	222	224	227	229	228	230	66
67	164	184	195	205	212	218	222	225	227	229	229	230	67
68	164	184	196	206	213	219	223	225	227	229	229	231	68
69	165	185	196	206	213	219	223	226	228	230	230	231	69
70	165	185	197	207	214	220	223	226	228	230	230	232	70
71	165	186	197	207	214	220	224	227	229	231	231	232	71
72	166	186	198	207	215	220	224	227	229	231	231	233	72
73	166	186	198	208	215	221	225	227	230	232	232	233	73
74	166	187	198	208	216	221	225	228	230	232	232	234	74
75	167	187	199	209	216	222	226	228	231	233	233	234	75
76	167	188	199	209	216	222	226	229	231	233	234	235	76
77	168	188	200	210	217	223	227	229	232	234	234	235	77
78	168	189	200	210	217	223	227	230	232	234	235	236	78
79	169	189	201	211	218	224	228	230	233	235	235	237	79
80	169	190	201	211	218	224	228	231	233	236	236	237	80
81	169	190	202	212	219	225	229	231	234	236	237	238	81
82	170	191	203	212	220	225	229	232	234	237	237	239	82
83	170	191	203	213	220	226	230	233	235	237	238	239	83
84	171	192	204	214	221	226	230	233	236	238	239	240	84
85	171	193	204	214	221	227	231	234	236	239	239	241	85
86	172	193	205	215	222	228	232	235	237	239	240	241	86
87	173	194	206	216	223	228	232	235	238	240	241	242	87
88	173	195	207	216	223	229	233	236	239	241	242	243	88
89	174	195	207	217	224	230	234	237	239	242	243	244	89
90	175	196	208	218	225	231	235	238	240	243	244	245	90
91	175	197	209	219	226	232	235	238	241	244	245	246	91
92	176	198	210	220	227	232	236	239	242	245	246	247	92
93	177	199	211	221	228	234	237	241	243	246	247	248	93
94	178	200	212	222	229	235	239	242	245	247	248	250	94
95	179	201	214	223	230	236	240	243	246	249	250	251	95
96	181	203	215	225	232	238	241	245	248	250	252	253	96
97	182	205	217	227	234	239	243	247	250	252	254	256	97
98	185	207	220	230	237	242	246	249	252	255	257	259	98
99	188	211	224	234	241	246	250	253	257	260	262	263	99

Table C.1.7: Fall Language Usage Student Achievement Percentiles

		Grade											
Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
1		136	154	165	173	179	182	183	185	184	187	1	
2		140	158	169	177	182	186	187	189	188	191	2	
3		143	161	171	180	185	188	190	192	191	193	3	
4		145	163	173	181	187	190	191	194	193	195	4	
5		147	164	175	183	188	191	193	195	194	197	5	
6		149	166	176	184	189	193	194	196	196	198	6	
7		150	167	177	185	190	194	195	197	197	199	7	
8		151	168	178	186	191	195	196	198	198	200	8	
9		152	169	179	187	192	195	197	199	199	201	9	
10		153	170	180	188	193	196	198	200	200	202	10	
11		154	171	181	189	194	197	199	201	200	203	11	
12		155	172	182	189	195	198	200	202	201	204	12	
13		156	172	182	190	195	198	200	202	202	205	13	
14		157	173	183	191	196	199	201	203	203	205	14	
15		157	174	184	191	196	200	201	204	203	206	15	
16		158	174	184	192	197	200	202	204	204	207	16	
17		159	175	185	192	198	201	203	205	205	207	17	
18		159	175	185	193	198	201	203	205	205	208	18	
19		160	176	186	193	199	202	204	206	206	208	19	
20		161	177	186	194	199	202	204	206	206	209	20	
21		161	177	187	194	200	203	205	207	207	209	21	
22		162	178	188	195	200	203	205	207	207	210	22	
23		162	178	188	195	201	204	206	208	208	210	23	
24		163	179	188	196	201	204	206	208	208	211	24	
25		163	179	189	196	201	205	207	209	209	211	25	
26		164	180	189	197	202	205	207	209	209	212	26	
27		164	180	190	197	202	206	207	210	210	212	27	
28		165	181	190	198	203	206	208	210	210	213	28	
29		165	181	191	198	203	206	208	211	211	213	29	
30		166	181	191	198	203	207	209	211	211	214	30	
31		166	182	192	199	204	207	209	211	211	214	31	
32		167	182	192	199	204	208	210	212	212	215	32	
33		167	183	192	200	205	208	210	212	212	215	33	
34		168	183	193	200	205	208	210	213	213	215	34	
35		168	184	193	200	205	209	211	213	213	216	35	
36		169	184	194	201	206	209	211	213	214	216	36	
37		169	184	194	201	206	209	211	214	214	217	37	
38		169	185	194	201	207	210	212	214	214	217	38	
39		170	185	195	202	207	210	212	214	215	217	39	
40		170	186	195	202	207	211	213	215	215	218	40	
41		171	186	195	202	208	211	213	215	216	218	41	
42		171	186	196	203	208	211	213	216	216	218	42	
43		172	187	196	203	208	212	214	216	216	219	43	
44		172	187	197	204	209	212	214	216	217	219	44	
45		172	187	197	204	209	212	214	217	217	220	45	
46		173	188	197	204	209	213	215	217	217	220	46	
47		173	188	198	205	210	213	215	217	218	220	47	
48		174	189	198	205	210	213	215	218	218	221	48	
49		174	189	198	205	210	214	216	218	219	221	49	

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Table C.1.7: Fall Language Usage Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50		175	189	199	206	211	214	216	218	219	222	50	
51		175	190	199	206	211	214	217	219	219	222	51	
52		175	190	200	206	211	215	217	219	220	222	52	
53		176	191	200	207	212	215	217	219	220	223	53	
54		176	191	200	207	212	215	218	220	220	223	54	
55		177	191	201	207	212	216	218	220	221	223	55	
56		177	192	201	208	213	216	218	221	221	224	56	
57		177	192	201	208	213	216	219	221	222	224	57	
58		178	192	202	208	214	217	219	221	222	225	58	
59		178	193	202	209	214	217	219	222	222	225	59	
60		179	193	203	209	214	218	220	222	223	225	60	
61		179	194	203	210	215	218	220	222	223	226	61	
62		180	194	203	210	215	218	221	223	224	226	62	
63		180	194	204	210	215	219	221	223	224	226	63	
64		180	195	204	211	216	219	221	223	224	227	64	
65		181	195	204	211	216	219	222	224	225	227	65	
66		181	196	205	211	216	220	222	224	225	228	66	
67		182	196	205	212	217	220	222	225	226	228	67	
68		182	197	206	212	217	220	223	225	226	229	68	
69		183	197	206	213	218	221	223	225	226	229	69	
70		183	197	207	213	218	221	224	226	227	229	70	
71		184	198	207	213	218	222	224	226	227	230	71	
72		184	198	207	214	219	222	224	227	228	230	72	
73		185	199	208	214	219	222	225	227	228	231	73	
74		185	199	208	215	220	223	225	227	229	231	74	
75		186	200	209	215	220	223	226	228	229	232	75	
76		186	200	209	215	220	224	226	228	230	232	76	
77		187	201	210	216	221	224	227	229	230	233	77	
78		187	201	210	216	221	225	227	229	231	233	78	
79		188	202	211	217	222	225	228	230	231	234	79	
80		188	202	211	217	222	226	228	230	232	234	80	
81		189	203	212	218	223	226	229	231	232	235	81	
82		190	203	212	218	223	227	229	231	233	235	82	
83		190	204	213	219	224	227	230	232	233	236	83	
84		191	205	213	219	224	228	230	232	234	236	84	
85		192	205	214	220	225	228	231	233	235	237	85	
86		192	206	215	221	226	229	231	234	235	238	86	
87		193	207	215	221	226	230	232	234	236	238	87	
88		194	207	216	222	227	230	233	235	237	239	88	
89		195	208	217	223	228	231	234	236	237	240	89	
90		196	209	218	223	228	232	234	237	238	241	90	
91		197	210	218	224	229	233	235	237	239	242	91	
92		198	211	219	225	230	233	236	238	240	243	92	
93		199	212	220	226	231	234	237	239	241	244	93	
94		200	213	222	227	232	236	238	240	242	245	94	
95		202	214	223	228	233	237	239	242	244	246	95	
96		204	216	224	230	235	238	241	243	245	248	96	
97		206	218	226	232	237	240	243	245	247	250	97	
98		209	221	229	234	239	242	245	247	250	252	98	
99		213	225	233	238	243	246	249	251	254	256	99	

Table C.1.8: Winter Language Usage Student Achievement Percentiles

		Grade											
Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
1		149	164	172	179	183	185	186	187	185	188	1	
2		153	168	176	183	187	189	189	191	189	192	2	
3		156	170	178	185	189	191	192	193	192	194	3	
4		158	172	180	187	191	193	194	195	193	196	4	
5		160	173	182	188	192	194	195	197	195	198	5	
6		161	175	183	189	193	195	196	198	196	199	6	
7		162	176	184	190	194	197	198	199	198	200	7	
8		163	177	185	191	195	198	199	200	199	201	8	
9		164	178	186	192	196	198	199	201	200	202	9	
10		165	179	187	193	197	199	200	202	201	203	10	
11		166	179	187	193	198	200	201	203	201	204	11	
12		167	180	188	194	198	201	202	203	202	205	12	
13		168	181	189	195	199	201	202	204	203	205	13	
14		168	181	189	195	200	202	203	205	204	206	14	
15		169	182	190	196	200	202	204	205	204	207	15	
16		170	183	191	197	201	203	204	206	205	207	16	
17		170	183	191	197	201	204	205	206	205	208	17	
18		171	184	192	198	202	204	205	207	206	209	18	
19		171	184	192	198	202	205	206	207	207	209	19	
20		172	185	193	199	203	205	206	208	207	210	20	
21		173	185	193	199	203	206	207	208	208	210	21	
22		173	186	194	199	204	206	207	209	208	211	22	
23		174	186	194	200	204	207	208	209	209	211	23	
24		174	187	195	200	205	207	208	210	209	212	24	
25		175	187	195	201	205	207	209	210	210	212	25	
26		175	188	196	201	205	208	209	211	210	213	26	
27		176	188	196	202	206	208	210	211	211	213	27	
28		176	189	196	202	206	209	210	212	211	213	28	
29		176	189	197	202	207	209	210	212	211	214	29	
30		177	189	197	203	207	209	211	212	212	214	30	
31		177	190	198	203	207	210	211	213	212	215	31	
32		178	190	198	204	208	210	212	213	213	215	32	
33		178	191	198	204	208	211	212	214	213	216	33	
34		179	191	199	204	208	211	212	214	214	216	34	
35		179	191	199	205	209	211	213	214	214	216	35	
36		179	192	199	205	209	212	213	215	214	217	36	
37		180	192	200	205	210	212	213	215	215	217	37	
38		180	192	200	206	210	212	214	215	215	218	38	
39		181	193	201	206	210	213	214	216	216	218	39	
40		181	193	201	206	211	213	215	216	216	218	40	
41		181	194	201	207	211	213	215	217	216	219	41	
42		182	194	202	207	211	214	215	217	217	219	42	
43		182	194	202	207	212	214	216	217	217	219	43	
44		183	195	202	208	212	214	216	218	217	220	44	
45		183	195	203	208	212	215	216	218	218	220	45	
46		183	195	203	208	213	215	217	218	218	221	46	
47		184	196	203	209	213	215	217	219	219	221	47	
48		184	196	204	209	213	216	217	219	219	221	48	
49		185	196	204	209	214	216	218	219	219	222	49	

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Table C.1.8: Winter Language Usage Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50		185	197	204	210	214	217	218	220	220	222	222	50
51		185	197	205	210	214	217	218	220	220	222	222	51
52		186	198	205	210	215	217	219	220	220	223	223	52
53		186	198	205	211	215	218	219	221	221	223	223	53
54		186	198	206	211	215	218	219	221	221	224	224	54
55		187	199	206	211	216	218	220	221	222	224	224	55
56		187	199	206	212	216	219	220	222	222	224	224	56
57		188	199	207	212	216	219	221	222	222	225	225	57
58		188	200	207	212	217	219	221	223	223	225	225	58
59		188	200	208	213	217	220	221	223	223	225	225	59
60		189	200	208	213	217	220	222	223	224	226	226	60
61		189	201	208	213	218	220	222	224	224	226	226	61
62		190	201	209	214	218	221	222	224	224	227	227	62
63		190	202	209	214	218	221	223	224	225	227	227	63
64		190	202	209	214	219	221	223	225	225	227	227	64
65		191	202	210	215	219	222	223	225	225	228	228	65
66		191	203	210	215	219	222	224	225	226	228	228	66
67		192	203	210	216	220	222	224	226	226	229	229	67
68		192	203	211	216	220	223	225	226	227	229	229	68
69		193	204	211	216	221	223	225	227	227	229	229	69
70		193	204	212	217	221	224	225	227	228	230	230	70
71		193	205	212	217	221	224	226	227	228	230	230	71
72		194	205	212	217	222	224	226	228	228	231	231	72
73		194	206	213	218	222	225	227	228	229	231	231	73
74		195	206	213	218	222	225	227	229	229	232	232	74
75		195	206	214	219	223	226	227	229	230	232	232	75
76		196	207	214	219	223	226	228	230	230	233	233	76
77		196	207	215	219	224	226	228	230	231	233	233	77
78		197	208	215	220	224	227	229	231	231	234	234	78
79		197	208	216	220	225	227	229	231	232	234	234	79
80		198	209	216	221	225	228	230	231	232	235	235	80
81		198	209	217	221	226	228	230	232	233	235	235	81
82		199	210	217	222	226	229	231	233	233	236	236	82
83		200	210	218	222	227	229	231	233	234	236	236	83
84		200	211	218	223	227	230	232	234	235	237	237	84
85		201	212	219	223	228	231	233	234	235	238	238	85
86		202	212	219	224	228	231	233	235	236	238	238	86
87		202	213	220	225	229	232	234	235	237	239	239	87
88		203	214	221	225	230	232	234	236	237	240	240	88
89		204	214	221	226	230	233	235	237	238	240	240	89
90		205	215	222	227	231	234	236	238	239	241	241	90
91		206	216	223	227	232	235	237	238	240	242	242	91
92		206	217	224	228	233	236	238	239	241	243	243	92
93		208	218	225	229	234	236	239	240	242	244	244	93
94		209	219	226	230	235	238	240	241	243	245	245	94
95		210	220	227	231	236	239	241	243	244	247	247	95
96		212	222	229	233	237	240	242	244	246	248	248	96
97		214	224	230	235	239	242	244	246	248	250	250	97
98		216	226	233	237	241	244	247	248	251	253	253	98
99		221	230	237	240	245	248	250	252	255	257	257	99

Table C.1.9: Spring Language Usage Student Achievement Percentiles

Pct	Grade											Pct
	K	1	2	3	4	5	6	7	8	9	10	
1		154	167	175	181	184	186	186	187	184	185	1
2		158	171	179	184	188	189	190	191	188	190	2
3		161	173	181	187	190	192	192	193	191	192	3
4		163	175	183	188	192	194	194	195	193	194	4
5		164	177	184	190	193	195	196	197	194	196	5
6		166	178	185	191	194	196	197	198	196	198	6
7		167	179	187	192	196	197	198	199	197	199	7
8		168	180	188	193	196	198	199	200	198	200	8
9		169	181	188	194	197	199	200	201	199	201	9
10		170	182	189	195	198	200	201	202	200	202	10
11		171	183	190	195	199	201	202	203	201	203	11
12		172	183	191	196	200	202	202	203	202	204	12
13		172	184	191	197	200	202	203	204	202	204	13
14		173	185	192	197	201	203	204	205	203	205	14
15		174	185	193	198	201	203	204	205	204	206	15
16		174	186	193	198	202	204	205	206	204	206	16
17		175	187	194	199	202	205	205	207	205	207	17
18		176	187	194	199	203	205	206	207	206	208	18
19		176	188	195	200	204	206	207	208	206	208	19
20		177	188	195	200	204	206	207	208	207	209	20
21		177	189	196	201	204	207	208	209	207	209	21
22		178	189	196	201	205	207	208	209	208	210	22
23		178	190	197	202	205	207	209	210	209	210	23
24		179	190	197	202	206	208	209	210	209	211	24
25		179	190	197	203	206	208	209	211	210	211	25
26		180	191	198	203	207	209	210	211	210	212	26
27		180	191	198	203	207	209	210	211	211	212	27
28		181	192	199	204	207	210	211	212	211	213	28
29		181	192	199	204	208	210	211	212	211	213	29
30		182	193	200	205	208	210	212	213	212	214	30
31		182	193	200	205	209	211	212	213	212	214	31
32		182	193	200	205	209	211	212	214	213	215	32
33		183	194	201	206	209	212	213	214	213	215	33
34		183	194	201	206	210	212	213	214	214	216	34
35		184	195	201	206	210	212	214	215	214	216	35
36		184	195	202	207	210	213	214	215	215	216	36
37		185	195	202	207	211	213	214	216	215	217	37
38		185	196	203	207	211	213	215	216	215	217	38
39		185	196	203	208	212	214	215	216	216	218	39
40		186	196	203	208	212	214	215	217	216	218	40
41		186	197	204	208	212	214	216	217	217	219	41
42		187	197	204	209	213	215	216	217	217	219	42
43		187	197	204	209	213	215	217	218	217	219	43
44		187	198	205	209	213	216	217	218	218	220	44
45		188	198	205	210	214	216	217	219	218	220	45
46		188	199	205	210	214	216	218	219	219	221	46
47		189	199	206	210	214	217	218	219	219	221	47
48		189	199	206	211	215	217	218	220	219	221	48
49		189	200	206	211	215	217	219	220	220	222	49

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Table C.1.9: Spring Language Usage Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50		190	200	207	211	215	218	219	220	220	222	222	50
51		190	200	207	212	216	218	219	221	221	223	223	51
52		190	201	207	212	216	218	220	221	221	223	223	52
53		191	201	208	212	216	219	220	221	221	223	223	53
54		191	201	208	213	217	219	220	222	222	224	224	54
55		192	202	208	213	217	219	221	222	222	224	224	55
56		192	202	209	213	217	220	221	223	223	225	225	56
57		192	202	209	214	218	220	222	223	223	225	225	57
58		193	203	209	214	218	220	222	223	223	225	225	58
59		193	203	210	214	218	221	222	224	224	226	226	59
60		194	204	210	215	219	221	223	224	224	226	226	60
61		194	204	211	215	219	221	223	224	225	227	227	61
62		194	204	211	215	219	222	223	225	225	227	227	62
63		195	205	211	216	220	222	224	225	225	227	227	63
64		195	205	212	216	220	223	224	226	226	228	228	64
65		196	205	212	217	220	223	225	226	226	228	228	65
66		196	206	212	217	221	223	225	226	227	229	229	66
67		196	206	213	217	221	224	225	227	227	229	229	67
68		197	207	213	218	222	224	226	227	228	230	230	68
69		197	207	213	218	222	224	226	228	228	230	230	69
70		198	207	214	218	222	225	227	228	228	230	230	70
71		198	208	214	219	223	225	227	228	229	231	231	71
72		199	208	215	219	223	226	227	229	229	231	231	72
73		199	209	215	220	223	226	228	229	230	232	232	73
74		200	209	215	220	224	226	228	230	230	232	232	74
75		200	209	216	220	224	227	229	230	231	233	233	75
76		201	210	216	221	225	227	229	231	231	233	233	76
77		201	210	217	221	225	228	230	231	232	234	234	77
78		202	211	217	222	226	228	230	232	232	234	234	78
79		202	211	218	222	226	229	231	232	233	235	235	79
80		203	212	218	223	227	229	231	233	233	235	235	80
81		203	212	219	223	227	230	232	233	234	236	236	81
82		204	213	219	224	228	230	232	234	235	237	237	82
83		204	213	220	224	228	231	233	234	235	237	237	83
84		205	214	220	225	229	231	233	235	236	238	238	84
85		206	215	221	225	229	232	234	235	236	239	239	85
86		206	215	221	226	230	232	234	236	237	239	239	86
87		207	216	222	226	230	233	235	237	238	240	240	87
88		208	217	223	227	231	234	236	237	239	241	241	88
89		209	217	223	228	232	234	237	238	239	242	242	89
90		210	218	224	228	232	235	237	239	240	242	242	90
91		210	219	225	229	233	236	238	240	241	243	243	91
92		211	220	226	230	234	237	239	241	242	244	244	92
93		213	221	227	231	235	238	240	242	243	245	245	93
94		214	222	228	232	236	239	241	243	245	247	247	94
95		215	223	229	233	237	240	242	244	246	248	248	95
96		217	225	231	235	239	242	244	246	248	250	250	96
97		219	227	232	236	240	243	246	248	250	252	252	97
98		221	229	235	239	243	246	248	250	252	255	255	98
99		226	233	238	242	246	249	252	254	257	259	259	99

Table C.1.10: Fall General Science Student Achievement Percentiles

		Grade											
Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
1				160	169	175	177	179	182	183	181		1
2				163	172	178	181	183	185	186	185		2
3				165	174	179	183	185	187	188	187		3
4				167	175	181	184	186	189	190	189		4
5				168	176	182	185	188	190	191	191		5
6				169	177	183	186	189	191	193	192		6
7				170	178	184	187	190	192	194	193		7
8				171	179	185	188	190	193	194	194		8
9				172	180	185	189	191	194	195	195		9
10				172	180	186	190	192	195	196	196		10
11				173	181	187	190	193	195	197	196		11
12				174	181	187	191	193	196	197	197		12
13				174	182	188	191	194	196	198	198		13
14				175	183	188	192	194	197	199	199		14
15				175	183	189	192	195	198	199	199		15
16				176	183	189	193	195	198	200	200		16
17				176	184	190	193	196	199	200	200		17
18				177	184	190	194	196	199	201	201		18
19				177	185	191	194	197	200	201	201		19
20				178	185	191	195	197	200	202	202		20
21				178	186	191	195	198	200	202	202		21
22				178	186	192	195	198	201	203	203		22
23				179	186	192	196	198	201	203	203		23
24				179	187	192	196	199	202	203	204		24
25				180	187	193	197	199	202	204	204		25
26				180	187	193	197	200	202	204	205		26
27				180	188	193	197	200	203	205	205		27
28				181	188	194	198	200	203	205	205		28
29				181	188	194	198	201	203	205	206		29
30				181	189	194	198	201	204	206	206		30
31				182	189	195	199	201	204	206	207		31
32				182	189	195	199	202	205	206	207		32
33				182	190	195	199	202	205	207	207		33
34				183	190	196	200	202	205	207	208		34
35				183	190	196	200	203	206	208	208		35
36				183	191	196	200	203	206	208	208		36
37				184	191	197	200	203	206	208	209		37
38				184	191	197	201	204	207	209	209		38
39				184	191	197	201	204	207	209	210		39
40				185	192	197	201	204	207	209	210		40
41				185	192	198	202	204	207	210	210		41
42				185	192	198	202	205	208	210	211		42
43				185	193	198	202	205	208	210	211		43
44				186	193	199	203	205	208	211	211		44
45				186	193	199	203	206	209	211	212		45
46				186	193	199	203	206	209	211	212		46
47				187	194	199	203	206	209	211	212		47
48				187	194	200	204	207	210	212	213		48
49				187	194	200	204	207	210	212	213		49

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Table C.1.10: Fall General Science Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50				187	195	200	204	207	210	212	213		50
51				188	195	201	205	207	211	213	214		51
52				188	195	201	205	208	211	213	214		52
53				188	195	201	205	208	211	213	214		53
54				189	196	201	205	208	212	214	215		54
55				189	196	202	206	209	212	214	215		55
56				189	196	202	206	209	212	214	215		56
57				190	197	202	206	209	212	215	216		57
58				190	197	202	207	210	213	215	216		58
59				190	197	203	207	210	213	215	217		59
60				190	197	203	207	210	213	216	217		60
61				191	198	203	208	211	214	216	217		61
62				191	198	204	208	211	214	216	218		62
63				191	198	204	208	211	214	217	218		63
64				192	199	204	208	211	215	217	218		64
65				192	199	204	209	212	215	217	219		65
66				192	199	205	209	212	215	218	219		66
67				193	199	205	209	212	216	218	219		67
68				193	200	205	210	213	216	218	220		68
69				193	200	206	210	213	216	219	220		69
70				194	200	206	210	213	217	219	221		70
71				194	201	206	211	214	217	220	221		71
72				194	201	207	211	214	217	220	221		72
73				195	201	207	211	214	218	220	222		73
74				195	202	207	212	215	218	221	222		74
75				195	202	208	212	215	219	221	223		75
76				196	202	208	212	216	219	222	223		76
77				196	203	208	213	216	219	222	224		77
78				197	203	209	213	216	220	222	224		78
79				197	204	209	214	217	220	223	224		79
80				197	204	210	214	217	221	223	225		80
81				198	204	210	214	218	221	224	225		81
82				198	205	210	215	218	222	224	226		82
83				199	205	211	215	219	222	225	226		83
84				199	206	211	216	219	222	225	227		84
85				200	206	212	216	220	223	226	228		85
86				200	207	212	217	220	224	226	228		86
87				201	207	213	217	221	224	227	229		87
88				201	208	213	218	221	225	228	230		88
89				202	208	214	218	222	225	228	230		89
90				203	209	214	219	222	226	229	231		90
91				203	210	215	220	223	227	230	232		91
92				204	210	216	221	224	228	230	233		92
93				205	211	217	221	225	228	231	234		93
94				206	212	217	222	226	229	232	235		94
95				207	213	218	223	227	230	234	236		95
96				208	214	220	225	228	232	235	237		96
97				210	216	221	226	230	233	237	239		97
98				212	217	223	228	232	236	239	242		98
99				215	221	226	231	235	239	242	245		99

Table C.1.11: Winter General Science Student Achievement Percentiles

		Grade											
Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
1				167	174	179	181	182	184	184	183		1
2				170	177	181	184	185	187	188	186		2
3				172	179	183	186	187	189	190	189		3
4				173	180	185	187	189	191	192	190		4
5				175	181	186	188	190	192	193	192		5
6				176	182	187	189	191	193	194	193		6
7				176	183	188	190	192	194	195	194		7
8				177	184	189	191	193	195	196	195		8
9				178	184	189	192	194	196	197	196		9
10				179	185	190	192	194	197	198	197		10
11				179	186	190	193	195	197	198	198		11
12				180	186	191	194	196	198	199	198		12
13				180	187	192	194	196	199	199	199		13
14				181	187	192	195	197	199	200	200		14
15				181	188	192	195	197	200	201	200		15
16				182	188	193	196	198	200	201	201		16
17				182	188	193	196	198	201	202	201		17
18				183	189	194	197	199	201	202	202		18
19				183	189	194	197	199	202	203	202		19
20				183	190	195	197	199	202	203	203		20
21				184	190	195	198	200	202	204	203		21
22				184	190	195	198	200	203	204	204		22
23				184	191	196	199	201	203	204	204		23
24				185	191	196	199	201	204	205	205		24
25				185	191	196	199	201	204	205	205		25
26				186	192	197	200	202	204	206	206		26
27				186	192	197	200	202	205	206	206		27
28				186	192	197	200	203	205	206	206		28
29				187	193	198	201	203	206	207	207		29
30				187	193	198	201	203	206	207	207		30
31				187	193	198	201	204	206	208	208		31
32				187	194	199	202	204	207	208	208		32
33				188	194	199	202	204	207	208	208		33
34				188	194	199	202	205	207	209	209		34
35				188	195	200	203	205	208	209	209		35
36				189	195	200	203	205	208	209	210		36
37				189	195	200	203	206	208	210	210		37
38				189	195	200	204	206	209	210	210		38
39				190	196	201	204	206	209	210	211		39
40				190	196	201	204	206	209	211	211		40
41				190	196	201	204	207	210	211	211		41
42				190	197	202	205	207	210	211	212		42
43				191	197	202	205	207	210	212	212		43
44				191	197	202	205	208	210	212	212		44
45				191	197	202	206	208	211	212	213		45
46				191	198	203	206	208	211	213	213		46
47				192	198	203	206	209	211	213	213		47
48				192	198	203	206	209	212	213	214		48
49				192	198	203	207	209	212	214	214		49

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Table C.1.11: Winter General Science Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50				193	199	204	207	209	212	214	214		50
51				193	199	204	207	210	213	214	215		51
52				193	199	204	208	210	213	215	215		52
53				193	200	204	208	210	213	215	215		53
54				194	200	205	208	211	214	215	216		54
55				194	200	205	208	211	214	215	216		55
56				194	200	205	209	211	214	216	217		56
57				194	201	206	209	212	214	216	217		57
58				195	201	206	209	212	215	216	217		58
59				195	201	206	210	212	215	217	218		59
60				195	201	206	210	212	215	217	218		60
61				196	202	207	210	213	216	217	218		61
62				196	202	207	211	213	216	218	219		62
63				196	202	207	211	213	216	218	219		63
64				196	203	208	211	214	217	218	219		64
65				197	203	208	211	214	217	219	220		65
66				197	203	208	212	214	217	219	220		66
67				197	203	208	212	215	218	220	220		67
68				198	204	209	212	215	218	220	221		68
69				198	204	209	213	215	218	220	221		69
70				198	204	209	213	216	219	221	222		70
71				199	205	210	213	216	219	221	222		71
72				199	205	210	214	216	219	221	222		72
73				199	205	210	214	217	220	222	223		73
74				200	206	211	214	217	220	222	223		74
75				200	206	211	215	217	221	223	224		75
76				200	206	211	215	218	221	223	224		76
77				201	207	212	215	218	221	223	225		77
78				201	207	212	216	219	222	224	225		78
79				201	207	212	216	219	222	224	226		79
80				202	208	213	217	219	223	225	226		80
81				202	208	213	217	220	223	225	227		81
82				203	209	214	217	220	223	226	227		82
83				203	209	214	218	221	224	226	228		83
84				203	209	214	218	221	224	227	228		84
85				204	210	215	219	222	225	227	229		85
86				204	210	215	219	222	225	228	229		86
87				205	211	216	220	223	226	228	230		87
88				205	211	216	220	223	227	229	231		88
89				206	212	217	221	224	227	230	231		89
90				207	213	218	222	225	228	230	232		90
91				207	213	218	222	225	229	231	233		91
92				208	214	219	223	226	229	232	234		92
93				209	215	220	224	227	230	233	235		93
94				210	215	220	225	228	231	234	236		94
95				211	216	221	226	229	232	235	237		95
96				212	218	223	227	230	234	236	238		96
97				213	219	224	229	232	235	238	240		97
98				215	221	226	230	234	237	240	243		98
99				218	224	229	234	237	241	244	246		99

Table C.1.12: Spring General Science Student Achievement Percentiles

		Grade											
Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
1				170	176	180	181	182	184	184	182		1
2				173	179	183	185	186	188	187	186		2
3				175	180	185	187	188	190	190	188		3
4				176	182	186	188	189	191	192	190		4
5				177	183	188	189	191	193	193	192		5
6				178	184	189	190	192	194	194	193		6
7				179	185	189	191	193	195	195	194		7
8				180	186	190	192	194	196	196	195		8
9				181	186	191	193	194	197	197	196		9
10				181	187	192	194	195	197	198	197		10
11				182	188	192	194	196	198	198	198		11
12				182	188	193	195	196	199	199	198		12
13				183	189	193	195	197	199	200	199		13
14				184	189	194	196	198	200	200	200		14
15				184	190	194	196	198	200	201	200		15
16				184	190	195	197	199	201	202	201		16
17				185	191	195	197	199	201	202	201		17
18				185	191	196	198	200	202	203	202		18
19				186	191	196	198	200	202	203	202		19
20				186	192	196	199	201	203	204	203		20
21				187	192	197	199	201	203	204	204		21
22				187	193	197	200	201	204	205	204		22
23				187	193	198	200	202	204	205	204		23
24				188	193	198	200	202	205	205	205		24
25				188	194	198	201	203	205	206	205		25
26				188	194	199	201	203	205	206	206		26
27				189	194	199	201	203	206	207	206		27
28				189	195	199	202	204	206	207	207		28
29				189	195	200	202	204	207	207	207		29
30				190	195	200	202	204	207	208	208		30
31				190	196	200	203	205	207	208	208		31
32				190	196	201	203	205	208	209	208		32
33				191	196	201	203	205	208	209	209		33
34				191	196	201	204	206	208	209	209		34
35				191	197	201	204	206	209	210	210		35
36				191	197	202	204	206	209	210	210		36
37				192	197	202	205	207	209	210	210		37
38				192	198	202	205	207	210	211	211		38
39				192	198	203	205	207	210	211	211		39
40				193	198	203	206	208	210	211	211		40
41				193	199	203	206	208	211	212	212		41
42				193	199	203	206	208	211	212	212		42
43				193	199	204	207	209	211	212	213		43
44				194	199	204	207	209	212	213	213		44
45				194	200	204	207	209	212	213	213		45
46				194	200	205	207	210	212	213	214		46
47				195	200	205	208	210	213	214	214		47
48				195	200	205	208	210	213	214	214		48
49				195	201	205	208	211	213	214	215		49

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Table C.1.12: Spring General Science Student Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50				195	201	206	209	211	214	215	215		50
51				196	201	206	209	211	214	215	215		51
52				196	202	206	209	211	214	215	216		52
53				196	202	207	210	212	214	216	216		53
54				197	202	207	210	212	215	216	216		54
55				197	202	207	210	212	215	217	217		55
56				197	203	207	210	213	215	217	217		56
57				197	203	208	211	213	216	217	218		57
58				198	203	208	211	213	216	218	218		58
59				198	203	208	211	214	216	218	218		59
60				198	204	209	212	214	217	218	219		60
61				199	204	209	212	214	217	219	219		61
62				199	204	209	212	215	217	219	219		62
63				199	205	209	213	215	218	219	220		63
64				199	205	210	213	215	218	220	220		64
65				200	205	210	213	216	218	220	221		65
66				200	206	210	213	216	219	220	221		66
67				200	206	211	214	216	219	221	221		67
68				201	206	211	214	217	219	221	222		68
69				201	206	211	214	217	220	221	222		69
70				201	207	212	215	217	220	222	223		70
71				202	207	212	215	218	221	222	223		71
72				202	207	212	215	218	221	223	223		72
73				202	208	213	216	218	221	223	224		73
74				203	208	213	216	219	222	223	224		74
75				203	208	213	217	219	222	224	225		75
76				203	209	214	217	219	222	224	225		76
77				204	209	214	217	220	223	225	226		77
78				204	209	214	218	220	223	225	226		78
79				204	210	215	218	221	224	226	227		79
80				205	210	215	219	221	224	226	227		80
81				205	211	215	219	222	225	227	228		81
82				206	211	216	219	222	225	227	228		82
83				206	211	216	220	223	226	228	229		83
84				206	212	217	220	223	226	228	229		84
85				207	212	217	221	224	227	229	230		85
86				207	213	218	221	224	227	229	230		86
87				208	213	218	222	225	228	230	231		87
88				208	214	219	222	225	228	230	232		88
89				209	214	219	223	226	229	231	233		89
90				210	215	220	224	227	230	232	233		90
91				210	216	221	224	227	230	233	234		91
92				211	216	221	225	228	231	234	235		92
93				212	217	222	226	229	232	234	236		93
94				213	218	223	227	230	233	236	237		94
95				214	219	224	228	231	234	237	239		95
96				215	220	225	229	232	236	238	240		96
97				216	222	227	231	234	237	240	242		97
98				218	223	228	233	236	239	242	244		98
99				221	226	231	236	239	243	246	248		99

Appendix C.2 - School Status Percentiles

Table C.2.1: Fall Mathematics School Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	123.7	149.1	163.3	176.7	187.7	195.2	200.9	204.7	205.8	209.0	206.7	209.4	1
2	125.6	150.7	164.9	178.3	189.4	197.1	202.8	206.8	208.2	211.5	209.4	212.2	2
3	126.8	151.6	165.9	179.3	190.5	198.3	204.1	208.1	209.8	213.1	211.1	214.0	3
4	127.7	152.4	166.7	180.1	191.2	199.2	205.0	209.1	210.9	214.3	212.4	215.3	4
5	128.5	153.0	167.3	180.7	191.9	199.9	205.8	210.0	211.8	215.2	213.5	216.4	5
6	129.1	153.5	167.8	181.3	192.4	200.6	206.4	210.7	212.6	216.1	214.4	217.3	6
7	129.7	154.0	168.3	181.7	192.9	201.1	207.0	211.3	213.3	216.8	215.2	218.1	7
8	130.2	154.4	168.7	182.1	193.4	201.6	207.5	211.8	213.9	217.4	215.9	218.8	8
9	130.6	154.7	169.1	182.5	193.8	202.1	208.0	212.3	214.5	218.0	216.6	219.5	9
10	131.0	155.1	169.4	182.9	194.1	202.5	208.4	212.8	215.0	218.6	217.2	220.1	10
11	131.4	155.4	169.8	183.2	194.4	202.9	208.8	213.2	215.5	219.1	217.7	220.7	11
12	131.8	155.7	170.1	183.5	194.8	203.2	209.2	213.6	216.0	219.5	218.2	221.2	12
13	132.1	156.0	170.3	183.8	195.1	203.6	209.5	214.0	216.4	220.0	218.7	221.7	13
14	132.4	156.2	170.6	184.1	195.3	203.9	209.8	214.3	216.8	220.4	219.2	222.2	14
15	132.8	156.5	170.9	184.3	195.6	204.2	210.2	214.7	217.2	220.8	219.6	222.6	15
16	133.1	156.7	171.1	184.6	195.9	204.5	210.5	215.0	217.6	221.2	220.1	223.1	16
17	133.3	157.0	171.3	184.8	196.1	204.8	210.8	215.3	217.9	221.6	220.5	223.5	17
18	133.6	157.2	171.6	185.0	196.3	205.0	211.0	215.6	218.2	221.9	220.8	223.9	18
19	133.9	157.4	171.8	185.2	196.6	205.3	211.3	215.9	218.6	222.2	221.2	224.3	19
20	134.1	157.6	172.0	185.5	196.8	205.5	211.6	216.2	218.9	222.6	221.6	224.6	20
21	134.4	157.8	172.2	185.7	197.0	205.8	211.8	216.4	219.2	222.9	221.9	225.0	21
22	134.6	158.0	172.4	185.9	197.2	206.0	212.1	216.7	219.5	223.2	222.3	225.3	22
23	134.8	158.2	172.6	186.1	197.4	206.3	212.3	216.9	219.8	223.5	222.6	225.7	23
24	135.1	158.4	172.8	186.3	197.6	206.5	212.5	217.2	220.1	223.8	223.0	226.0	24
25	135.3	158.6	173.0	186.4	197.8	206.7	212.8	217.4	220.4	224.1	223.3	226.3	25
26	135.5	158.7	173.1	186.6	198.0	206.9	213.0	217.7	220.6	224.4	223.6	226.7	26
27	135.7	158.9	173.3	186.8	198.2	207.2	213.2	217.9	220.9	224.7	223.9	227.0	27
28	135.9	159.1	173.5	187.0	198.4	207.4	213.4	218.2	221.2	224.9	224.2	227.3	28
29	136.2	159.2	173.7	187.1	198.6	207.6	213.6	218.4	221.4	225.2	224.5	227.6	29
30	136.4	159.4	173.8	187.3	198.7	207.8	213.8	218.6	221.7	225.5	224.8	227.9	30
31	136.6	159.6	174.0	187.5	198.9	208.0	214.1	218.8	221.9	225.7	225.1	228.2	31
32	136.8	159.7	174.2	187.7	199.1	208.2	214.3	219.0	222.2	226.0	225.4	228.5	32
33	137.0	159.9	174.3	187.8	199.3	208.4	214.5	219.3	222.4	226.3	225.6	228.8	33
34	137.1	160.1	174.5	188.0	199.4	208.6	214.7	219.5	222.7	226.5	225.9	229.0	34
35	137.3	160.2	174.7	188.1	199.6	208.7	214.8	219.7	222.9	226.8	226.2	229.3	35
36	137.5	160.4	174.8	188.3	199.8	208.9	215.0	219.9	223.1	227.0	226.5	229.6	36
37	137.7	160.5	175.0	188.5	199.9	209.1	215.2	220.1	223.4	227.2	226.7	229.9	37
38	137.9	160.7	175.1	188.6	200.1	209.3	215.4	220.3	223.6	227.5	227.0	230.1	38
39	138.1	160.8	175.3	188.8	200.2	209.5	215.6	220.5	223.8	227.7	227.2	230.4	39
40	138.3	161.0	175.4	188.9	200.4	209.7	215.8	220.7	224.1	228.0	227.5	230.7	40
41	138.4	161.1	175.6	189.1	200.6	209.8	216.0	220.9	224.3	228.2	227.8	230.9	41
42	138.6	161.3	175.7	189.2	200.7	210.0	216.2	221.1	224.5	228.4	228.0	231.2	42
43	138.8	161.4	175.9	189.4	200.9	210.2	216.3	221.3	224.7	228.7	228.3	231.5	43
44	139.0	161.6	176.0	189.5	201.0	210.4	216.5	221.5	225.0	228.9	228.5	231.7	44
45	139.2	161.7	176.2	189.7	201.2	210.6	216.7	221.7	225.2	229.1	228.8	232.0	45
46	139.3	161.8	176.3	189.8	201.3	210.7	216.9	221.9	225.4	229.4	229.0	232.2	46
47	139.5	162.0	176.5	190.0	201.5	210.9	217.1	222.1	225.6	229.6	229.3	232.5	47
48	139.7	162.1	176.6	190.1	201.6	211.1	217.3	222.3	225.9	229.8	229.6	232.8	48
49	139.9	162.3	176.8	190.3	201.8	211.3	217.4	222.5	226.1	230.0	229.8	233.0	49

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Table C.2.1: Fall Mathematics School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	140	162	177	190	202	211	218	223	226	230	230	233	50
51	140.2	162.6	177.0	190.5	202.1	211.6	217.8	222.8	226.5	230.5	230.3	233.5	51
52	140.4	162.7	177.2	190.7	202.2	211.8	218.0	223.0	226.7	230.7	230.6	233.8	52
53	140.6	162.8	177.3	190.8	202.4	212.0	218.2	223.2	227.0	231.0	230.8	234.1	53
54	140.7	163.0	177.5	191.0	202.6	212.1	218.3	223.4	227.2	231.2	231.1	234.3	54
55	140.9	163.1	177.6	191.1	202.7	212.3	218.5	223.6	227.4	231.4	231.3	234.6	55
56	141.1	163.3	177.8	191.3	202.9	212.5	218.7	223.8	227.6	231.7	231.6	234.8	56
57	141.3	163.4	177.9	191.4	203.0	212.7	218.9	224.0	227.9	231.9	231.8	235.1	57
58	141.5	163.6	178.1	191.6	203.2	212.9	219.1	224.2	228.1	232.1	232.1	235.4	58
59	141.6	163.7	178.2	191.7	203.3	213.0	219.3	224.4	228.3	232.4	232.3	235.6	59
60	141.8	163.9	178.4	191.9	203.5	213.2	219.4	224.6	228.5	232.6	232.6	235.9	60
61	142.0	164.0	178.5	192.0	203.6	213.4	219.6	224.8	228.8	232.8	232.9	236.1	61
62	142.2	164.2	178.7	192.2	203.8	213.6	219.8	225.0	229.0	233.1	233.1	236.4	62
63	142.4	164.3	178.8	192.4	204.0	213.8	220.0	225.2	229.2	233.3	233.4	236.7	63
64	142.6	164.5	179.0	192.5	204.1	213.9	220.2	225.4	229.5	233.5	233.7	237.0	64
65	142.8	164.6	179.1	192.7	204.3	214.1	220.4	225.6	229.7	233.8	233.9	237.2	65
66	142.9	164.8	179.3	192.8	204.5	214.3	220.6	225.8	229.9	234.0	234.2	237.5	66
67	143.1	164.9	179.5	193.0	204.6	214.5	220.8	226.0	230.2	234.3	234.5	237.8	67
68	143.3	165.1	179.6	193.2	204.8	214.7	221.0	226.3	230.4	234.5	234.8	238.1	68
69	143.5	165.3	179.8	193.3	205.0	214.9	221.2	226.5	230.7	234.8	235.0	238.4	69
70	143.7	165.4	180.0	193.5	205.1	215.1	221.4	226.7	230.9	235.1	235.3	238.7	70
71	143.9	165.6	180.1	193.7	205.3	215.3	221.6	226.9	231.2	235.3	235.6	239.0	71
72	144.1	165.8	180.3	193.8	205.5	215.5	221.8	227.1	231.4	235.6	235.9	239.3	72
73	144.4	165.9	180.5	194.0	205.7	215.7	222.0	227.4	231.7	235.9	236.2	239.6	73
74	144.6	166.1	180.6	194.2	205.9	215.9	222.2	227.6	232.0	236.2	236.5	239.9	74
75	144.8	166.3	180.8	194.4	206.1	216.2	222.5	227.9	232.2	236.4	236.8	240.2	75
76	145.0	166.5	181.0	194.6	206.3	216.4	222.7	228.1	232.5	236.7	237.2	240.5	76
77	145.2	166.6	181.2	194.7	206.5	216.6	222.9	228.3	232.8	237.0	237.5	240.9	77
78	145.5	166.8	181.4	194.9	206.7	216.8	223.2	228.6	233.1	237.3	237.8	241.2	78
79	145.7	167.0	181.6	195.1	206.9	217.1	223.4	228.9	233.4	237.6	238.2	241.6	79
80	146.0	167.2	181.8	195.3	207.1	217.3	223.7	229.1	233.7	238.0	238.5	241.9	80
81	146.2	167.4	182.0	195.6	207.3	217.6	223.9	229.4	234.0	238.3	238.9	242.3	81
82	146.5	167.7	182.2	195.8	207.5	217.8	224.2	229.7	234.4	238.6	239.3	242.7	82
83	146.8	167.9	182.5	196.0	207.8	218.1	224.5	230.0	234.7	239.0	239.7	243.1	83
84	147.0	168.1	182.7	196.2	208.0	218.4	224.8	230.3	235.0	239.4	240.1	243.5	84
85	147.3	168.3	182.9	196.5	208.3	218.7	225.1	230.6	235.4	239.7	240.5	243.9	85
86	147.6	168.6	183.2	196.8	208.5	219.0	225.4	231.0	235.8	240.1	240.9	244.4	86
87	148.0	168.9	183.5	197.0	208.8	219.3	225.7	231.3	236.2	240.6	241.4	244.8	87
88	148.3	169.1	183.7	197.3	209.1	219.7	226.1	231.7	236.6	241.0	241.9	245.3	88
89	148.7	169.4	184.0	197.6	209.4	220.0	226.4	232.1	237.1	241.5	242.4	245.9	89
90	149.1	169.8	184.4	197.9	209.8	220.4	226.8	232.5	237.6	242.0	242.9	246.4	90
91	149.5	170.1	184.7	198.3	210.1	220.8	227.3	233.0	238.1	242.5	243.5	247.0	91
92	149.9	170.5	185.1	198.7	210.5	221.3	227.7	233.5	238.7	243.1	244.2	247.7	92
93	150.4	170.9	185.5	199.1	211.0	221.8	228.2	234.0	239.3	243.8	244.9	248.4	93
94	151.0	171.3	186.0	199.5	211.4	222.3	228.8	234.6	240.0	244.5	245.7	249.2	94
95	151.6	171.8	186.5	200.1	212.0	223.0	229.5	235.3	240.8	245.3	246.6	250.2	95
96	152.4	172.4	187.1	200.7	212.6	223.7	230.2	236.2	241.7	246.3	247.7	251.3	96
97	153.3	173.2	187.9	201.5	213.4	224.6	231.1	237.2	242.8	247.5	249.0	252.6	97
98	154.5	174.2	188.9	202.5	214.5	225.8	232.4	238.5	244.4	249.0	250.7	254.4	98
99	156.4	175.7	190.4	204.1	216.1	227.7	234.4	240.6	246.8	251.5	253.5	257.2	99

Table C.2.2: Winter Mathematics School Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	136.4	160.2	172.5	184.0	193.5	199.6	204.4	207.4	207.7	209.9	207.4	209.8	1
2	138.2	161.8	174.1	185.6	195.3	201.7	206.4	209.6	210.2	212.5	210.2	212.7	2
3	139.3	162.8	175.2	186.7	196.4	203.0	207.8	211.0	211.8	214.2	212.0	214.5	3
4	140.1	163.5	175.9	187.5	197.2	204.0	208.7	212.0	213.0	215.4	213.4	215.9	4
5	140.8	164.2	176.6	188.1	197.9	204.8	209.5	212.9	214.0	216.4	214.5	217.0	5
6	141.4	164.7	177.1	188.7	198.5	205.5	210.2	213.6	214.8	217.3	215.4	218.0	6
7	141.9	165.2	177.6	189.2	199.0	206.1	210.8	214.2	215.6	218.1	216.2	218.8	7
8	142.4	165.6	178.0	189.6	199.5	206.6	211.4	214.8	216.2	218.8	217.0	219.5	8
9	142.8	166.0	178.4	190.0	199.9	207.1	211.9	215.3	216.8	219.4	217.6	220.2	9
10	143.2	166.3	178.7	190.4	200.3	207.5	212.3	215.8	217.3	219.9	218.2	220.8	10
11	143.5	166.6	179.1	190.7	200.7	207.9	212.7	216.2	217.8	220.5	218.8	221.4	11
12	143.9	166.9	179.4	191.0	201.0	208.3	213.1	216.6	218.3	221.0	219.3	222.0	12
13	144.2	167.2	179.7	191.3	201.3	208.7	213.5	217.0	218.8	221.4	219.8	222.5	13
14	144.5	167.5	179.9	191.6	201.6	209.1	213.8	217.4	219.2	221.9	220.3	223.0	14
15	144.8	167.7	180.2	191.9	201.9	209.4	214.2	217.8	219.6	222.3	220.8	223.4	15
16	145.0	168.0	180.4	192.1	202.2	209.7	214.5	218.1	220.0	222.7	221.2	223.9	16
17	145.3	168.2	180.7	192.4	202.5	210.0	214.8	218.4	220.4	223.1	221.6	224.3	17
18	145.5	168.5	180.9	192.6	202.7	210.3	215.1	218.7	220.7	223.5	222.0	224.7	18
19	145.8	168.7	181.1	192.8	203.0	210.6	215.4	219.0	221.1	223.8	222.4	225.1	19
20	146.0	168.9	181.4	193.1	203.2	210.9	215.7	219.3	221.4	224.2	222.8	225.5	20
21	146.2	169.1	181.6	193.3	203.4	211.1	215.9	219.6	221.7	224.5	223.2	225.9	21
22	146.5	169.3	181.8	193.5	203.7	211.4	216.2	219.9	222.0	224.8	223.5	226.2	22
23	146.7	169.5	182.0	193.7	203.9	211.6	216.4	220.2	222.3	225.1	223.9	226.6	23
24	146.9	169.7	182.2	193.9	204.1	211.9	216.7	220.4	222.6	225.5	224.2	226.9	24
25	147.1	169.9	182.4	194.1	204.3	212.1	216.9	220.7	222.9	225.8	224.5	227.2	25
26	147.3	170.1	182.5	194.3	204.5	212.4	217.2	220.9	223.2	226.1	224.8	227.6	26
27	147.5	170.2	182.7	194.5	204.7	212.6	217.4	221.2	223.5	226.4	225.2	227.9	27
28	147.7	170.4	182.9	194.6	204.9	212.8	217.6	221.4	223.8	226.6	225.5	228.2	28
29	147.9	170.6	183.1	194.8	205.1	213.0	217.9	221.7	224.0	226.9	225.8	228.5	29
30	148.1	170.8	183.3	195.0	205.3	213.3	218.1	221.9	224.3	227.2	226.1	228.8	30
31	148.3	170.9	183.4	195.2	205.5	213.5	218.3	222.1	224.6	227.5	226.4	229.1	31
32	148.4	171.1	183.6	195.3	205.6	213.7	218.5	222.4	224.8	227.7	226.7	229.4	32
33	148.6	171.3	183.8	195.5	205.8	213.9	218.7	222.6	225.1	228.0	227.0	229.7	33
34	148.8	171.4	183.9	195.7	206.0	214.1	218.9	222.8	225.3	228.3	227.2	230.0	34
35	149.0	171.6	184.1	195.8	206.2	214.3	219.1	223.0	225.6	228.5	227.5	230.3	35
36	149.2	171.7	184.3	196.0	206.4	214.5	219.3	223.2	225.8	228.8	227.8	230.6	36
37	149.3	171.9	184.4	196.2	206.5	214.7	219.5	223.4	226.1	229.1	228.1	230.9	37
38	149.5	172.0	184.6	196.3	206.7	214.9	219.7	223.7	226.3	229.3	228.3	231.1	38
39	149.7	172.2	184.7	196.5	206.9	215.1	219.9	223.9	226.6	229.6	228.6	231.4	39
40	149.8	172.4	184.9	196.7	207.1	215.3	220.1	224.1	226.8	229.8	228.9	231.7	40
41	150.0	172.5	185.0	196.8	207.2	215.5	220.3	224.3	227.1	230.1	229.2	232.0	41
42	150.2	172.7	185.2	197.0	207.4	215.7	220.5	224.5	227.3	230.3	229.4	232.2	42
43	150.3	172.8	185.3	197.1	207.6	215.9	220.7	224.7	227.5	230.5	229.7	232.5	43
44	150.5	173.0	185.5	197.3	207.7	216.1	220.9	224.9	227.8	230.8	230.0	232.8	44
45	150.7	173.1	185.6	197.4	207.9	216.3	221.1	225.1	228.0	231.0	230.2	233.0	45
46	150.8	173.3	185.8	197.6	208.1	216.5	221.3	225.3	228.2	231.3	230.5	233.3	46
47	151.0	173.4	185.9	197.7	208.2	216.7	221.5	225.5	228.5	231.5	230.7	233.6	47
48	151.1	173.6	186.1	197.9	208.4	216.8	221.7	225.7	228.7	231.8	231.0	233.8	48
49	151.3	173.7	186.2	198.1	208.5	217.0	221.9	225.9	228.9	232.0	231.3	234.1	49

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Table C.2.2: Winter Mathematics School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	152	174	186	198	209	217	222	226	229	232	232	234	50
51	151.6	174.0	186.5	198.4	208.9	217.4	222.2	226.3	229.4	232.5	231.8	234.6	51
52	151.8	174.1	186.7	198.5	209.0	217.6	222.4	226.5	229.6	232.7	232.0	234.9	52
53	152.0	174.3	186.8	198.7	209.2	217.8	222.6	226.7	229.8	233.0	232.3	235.1	53
54	152.1	174.4	187.0	198.8	209.4	218.0	222.8	226.9	230.1	233.2	232.6	235.4	54
55	152.3	174.6	187.1	199.0	209.5	218.2	223.0	227.1	230.3	233.4	232.8	235.7	55
56	152.5	174.7	187.3	199.1	209.7	218.4	223.2	227.3	230.5	233.7	233.1	235.9	56
57	152.6	174.9	187.4	199.3	209.9	218.6	223.4	227.5	230.8	233.9	233.3	236.2	57
58	152.8	175.0	187.6	199.4	210.0	218.8	223.6	227.7	231.0	234.2	233.6	236.5	58
59	152.9	175.2	187.8	199.6	210.2	218.9	223.8	228.0	231.2	234.4	233.9	236.8	59
60	153.1	175.3	187.9	199.8	210.4	219.1	224.0	228.2	231.5	234.7	234.1	237.0	60
61	153.3	175.5	188.1	199.9	210.5	219.3	224.2	228.4	231.7	234.9	234.4	237.3	61
62	153.5	175.6	188.2	200.1	210.7	219.5	224.4	228.6	232.0	235.2	234.7	237.6	62
63	153.6	175.8	188.4	200.2	210.9	219.7	224.6	228.8	232.2	235.4	235.0	237.9	63
64	153.8	176.0	188.5	200.4	211.1	219.9	224.8	229.0	232.5	235.7	235.2	238.1	64
65	154.0	176.1	188.7	200.6	211.2	220.1	225.0	229.2	232.7	235.9	235.5	238.4	65
66	154.1	176.3	188.9	200.7	211.4	220.3	225.2	229.4	232.9	236.2	235.8	238.7	66
67	154.3	176.4	189.0	200.9	211.6	220.6	225.4	229.7	233.2	236.5	236.1	239.0	67
68	154.5	176.6	189.2	201.1	211.8	220.8	225.6	229.9	233.5	236.7	236.4	239.3	68
69	154.7	176.8	189.4	201.2	212.0	221.0	225.8	230.1	233.7	237.0	236.7	239.6	69
70	154.9	176.9	189.5	201.4	212.1	221.2	226.0	230.3	234.0	237.3	237.0	239.9	70
71	155.1	177.1	189.7	201.6	212.3	221.4	226.3	230.6	234.2	237.5	237.3	240.2	71
72	155.3	177.3	189.9	201.8	212.5	221.6	226.5	230.8	234.5	237.8	237.6	240.5	72
73	155.4	177.5	190.1	202.0	212.7	221.9	226.7	231.1	234.8	238.1	237.9	240.8	73
74	155.6	177.6	190.2	202.1	212.9	222.1	227.0	231.3	235.1	238.4	238.2	241.1	74
75	155.8	177.8	190.4	202.3	213.1	222.3	227.2	231.6	235.4	238.7	238.5	241.5	75
76	156.1	178.0	190.6	202.5	213.3	222.6	227.4	231.8	235.7	239.0	238.8	241.8	76
77	156.3	178.2	190.8	202.7	213.6	222.8	227.7	232.1	236.0	239.3	239.2	242.1	77
78	156.5	178.4	191.0	202.9	213.8	223.1	227.9	232.3	236.3	239.6	239.5	242.5	78
79	156.7	178.6	191.2	203.1	214.0	223.3	228.2	232.6	236.6	240.0	239.9	242.9	79
80	156.9	178.8	191.4	203.4	214.2	223.6	228.5	232.9	236.9	240.3	240.2	243.2	80
81	157.2	179.0	191.6	203.6	214.5	223.9	228.7	233.2	237.2	240.7	240.6	243.6	81
82	157.4	179.2	191.9	203.8	214.7	224.2	229.0	233.5	237.6	241.0	241.0	244.0	82
83	157.7	179.5	192.1	204.0	215.0	224.4	229.3	233.8	237.9	241.4	241.4	244.4	83
84	157.9	179.7	192.3	204.3	215.2	224.8	229.6	234.1	238.3	241.8	241.8	244.8	84
85	158.2	179.9	192.6	204.6	215.5	225.1	229.9	234.5	238.7	242.2	242.3	245.3	85
86	158.5	180.2	192.8	204.8	215.8	225.4	230.3	234.8	239.1	242.6	242.7	245.7	86
87	158.8	180.5	193.1	205.1	216.1	225.7	230.6	235.2	239.5	243.0	243.2	246.2	87
88	159.1	180.8	193.4	205.4	216.4	226.1	231.0	235.6	240.0	243.5	243.7	246.7	88
89	159.4	181.1	193.7	205.7	216.7	226.5	231.4	236.0	240.4	244.0	244.2	247.3	89
90	159.8	181.4	194.1	206.1	217.1	226.9	231.8	236.5	241.0	244.5	244.8	247.9	90
91	160.2	181.7	194.4	206.4	217.5	227.4	232.3	236.9	241.5	245.1	245.4	248.5	91
92	160.6	182.1	194.8	206.8	217.9	227.9	232.7	237.4	242.1	245.7	246.1	249.2	92
93	161.0	182.5	195.2	207.2	218.4	228.4	233.3	238.0	242.7	246.4	246.8	249.9	93
94	161.6	183.0	195.7	207.7	218.9	229.0	233.9	238.7	243.5	247.2	247.6	250.7	94
95	162.1	183.5	196.2	208.3	219.5	229.7	234.6	239.4	244.3	248.0	248.6	251.7	95
96	162.8	184.2	196.9	208.9	220.2	230.5	235.4	240.2	245.3	249.0	249.7	252.8	96
97	163.7	184.9	197.6	209.7	221.0	231.5	236.4	241.3	246.5	250.3	251.0	254.2	97
98	164.8	185.9	198.7	210.8	222.2	232.8	237.7	242.7	248.1	251.9	252.8	256.0	98
99	166.6	187.5	200.3	212.4	224.0	234.8	239.8	244.9	250.6	254.6	255.6	258.9	99

Table C.2.3: Spring Mathematics School Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	144.3	166.1	177.4	188.4	197.1	202.4	206.6	209.0	208.5	210.0	207.4	209.7	1
2	146.1	167.8	179.1	190.1	199.1	204.6	208.8	211.3	211.2	212.8	210.3	212.6	2
3	147.2	168.9	180.2	191.2	200.3	206.0	210.2	212.7	212.8	214.5	212.2	214.5	3
4	148.0	169.8	181.0	192.1	201.2	207.1	211.2	213.8	214.1	215.8	213.6	215.9	4
5	148.7	170.4	181.7	192.8	201.9	207.9	212.1	214.7	215.1	216.9	214.7	217.1	5
6	149.2	171.0	182.3	193.4	202.6	208.7	212.8	215.5	216.0	217.8	215.7	218.1	6
7	149.8	171.5	182.8	193.9	203.1	209.3	213.5	216.2	216.7	218.6	216.5	218.9	7
8	150.2	171.9	183.2	194.3	203.6	209.9	214.0	216.8	217.4	219.3	217.3	219.7	8
9	150.6	172.3	183.6	194.7	204.1	210.4	214.5	217.3	218.0	219.9	218.0	220.4	9
10	151.0	172.7	184.0	195.1	204.5	210.9	215.0	217.8	218.6	220.5	218.6	221.0	10
11	151.3	173.1	184.3	195.5	204.9	211.4	215.5	218.3	219.1	221.1	219.2	221.6	11
12	151.7	173.4	184.7	195.8	205.2	211.8	215.9	218.7	219.6	221.6	219.8	222.2	12
13	152.0	173.7	185.0	196.1	205.6	212.2	216.3	219.1	220.1	222.1	220.3	222.7	13
14	152.3	174.0	185.3	196.4	205.9	212.5	216.6	219.5	220.5	222.6	220.8	223.2	14
15	152.5	174.3	185.5	196.7	206.2	212.9	217.0	219.9	221.0	223.0	221.2	223.7	15
16	152.8	174.5	185.8	197.0	206.5	213.2	217.3	220.2	221.4	223.4	221.7	224.2	16
17	153.1	174.8	186.1	197.2	206.8	213.6	217.6	220.6	221.7	223.8	222.1	224.6	17
18	153.3	175.0	186.3	197.5	207.1	213.9	218.0	220.9	222.1	224.2	222.5	225.0	18
19	153.6	175.3	186.6	197.7	207.3	214.2	218.3	221.2	222.5	224.6	222.9	225.4	19
20	153.8	175.5	186.8	198.0	207.6	214.5	218.6	221.5	222.8	224.9	223.3	225.8	20
21	154.0	175.7	187.0	198.2	207.8	214.8	218.8	221.8	223.2	225.3	223.7	226.2	21
22	154.2	175.9	187.2	198.4	208.1	215.1	219.1	222.1	223.5	225.6	224.1	226.6	22
23	154.4	176.1	187.4	198.6	208.3	215.3	219.4	222.4	223.8	226.0	224.4	226.9	23
24	154.6	176.4	187.6	198.8	208.5	215.6	219.6	222.6	224.1	226.3	224.8	227.3	24
25	154.9	176.6	187.8	199.0	208.7	215.9	219.9	222.9	224.4	226.6	225.1	227.6	25
26	155.1	176.8	188.0	199.2	209.0	216.1	220.1	223.2	224.7	226.9	225.5	228.0	26
27	155.2	176.9	188.2	199.4	209.2	216.4	220.4	223.4	225.0	227.2	225.8	228.3	27
28	155.4	177.1	188.4	199.6	209.4	216.6	220.6	223.7	225.3	227.5	226.1	228.6	28
29	155.6	177.3	188.6	199.8	209.6	216.8	220.9	223.9	225.6	227.8	226.4	228.9	29
30	155.8	177.5	188.8	200.0	209.8	217.1	221.1	224.2	225.9	228.1	226.7	229.3	30
31	156.0	177.7	189.0	200.2	210.0	217.3	221.3	224.4	226.2	228.4	227.0	229.6	31
32	156.2	177.9	189.1	200.4	210.2	217.5	221.6	224.7	226.4	228.7	227.3	229.9	32
33	156.3	178.0	189.3	200.6	210.4	217.8	221.8	224.9	226.7	229.0	227.6	230.2	33
34	156.5	178.2	189.5	200.7	210.6	218.0	222.0	225.1	227.0	229.3	227.9	230.5	34
35	156.7	178.4	189.7	200.9	210.8	218.2	222.2	225.3	227.2	229.5	228.2	230.8	35
36	156.9	178.6	189.8	201.1	211.0	218.4	222.4	225.6	227.5	229.8	228.5	231.1	36
37	157.0	178.7	190.0	201.3	211.2	218.7	222.7	225.8	227.7	230.1	228.8	231.4	37
38	157.2	178.9	190.2	201.4	211.3	218.9	222.9	226.0	228.0	230.3	229.1	231.6	38
39	157.4	179.1	190.3	201.6	211.5	219.1	223.1	226.2	228.2	230.6	229.4	231.9	39
40	157.5	179.2	190.5	201.8	211.7	219.3	223.3	226.5	228.5	230.9	229.6	232.2	40
41	157.7	179.4	190.7	201.9	211.9	219.5	223.5	226.7	228.7	231.1	229.9	232.5	41
42	157.9	179.5	190.8	202.1	212.1	219.7	223.7	226.9	229.0	231.4	230.2	232.8	42
43	158.0	179.7	191.0	202.3	212.2	219.9	223.9	227.1	229.2	231.6	230.5	233.0	43
44	158.2	179.9	191.2	202.4	212.4	220.1	224.1	227.3	229.5	231.9	230.7	233.3	44
45	158.3	180.0	191.3	202.6	212.6	220.3	224.3	227.5	229.7	232.1	231.0	233.6	45
46	158.5	180.2	191.5	202.7	212.8	220.5	224.5	227.7	230.0	232.4	231.3	233.9	46
47	158.7	180.3	191.6	202.9	213.0	220.7	224.7	228.0	230.2	232.6	231.6	234.1	47
48	158.8	180.5	191.8	203.1	213.1	220.9	224.9	228.2	230.4	232.9	231.8	234.4	48
49	159.0	180.7	192.0	203.2	213.3	221.2	225.1	228.4	230.7	233.2	232.1	234.7	49

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Table C.2.3: Spring Mathematics School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	159	181	192	203	214	221	225	229	231	233	232	235	50
51	159.3	181.0	192.3	203.6	213.7	221.6	225.5	228.8	231.2	233.7	232.6	235.2	51
52	159.5	181.1	192.4	203.7	213.8	221.8	225.7	229.0	231.4	233.9	232.9	235.5	52
53	159.6	181.3	192.6	203.9	214.0	222.0	225.9	229.2	231.7	234.2	233.2	235.8	53
54	159.8	181.4	192.7	204.0	214.2	222.2	226.1	229.4	231.9	234.4	233.4	236.1	54
55	159.9	181.6	192.9	204.2	214.4	222.4	226.3	229.7	232.1	234.7	233.7	236.3	55
56	160.1	181.8	193.1	204.4	214.5	222.6	226.5	229.9	232.4	234.9	234.0	236.6	56
57	160.3	181.9	193.2	204.5	214.7	222.8	226.7	230.1	232.6	235.2	234.3	236.9	57
58	160.4	182.1	193.4	204.7	214.9	223.0	226.9	230.3	232.9	235.4	234.5	237.2	58
59	160.6	182.3	193.5	204.9	215.1	223.2	227.2	230.5	233.1	235.7	234.8	237.4	59
60	160.8	182.4	193.7	205.0	215.3	223.4	227.4	230.7	233.4	236.0	235.1	237.7	60
61	160.9	182.6	193.9	205.2	215.5	223.6	227.6	230.9	233.6	236.2	235.4	238.0	61
62	161.1	182.7	194.0	205.4	215.6	223.9	227.8	231.2	233.9	236.5	235.6	238.3	62
63	161.3	182.9	194.2	205.5	215.8	224.1	228.0	231.4	234.1	236.7	235.9	238.6	63
64	161.4	183.1	194.4	205.7	216.0	224.3	228.2	231.6	234.4	237.0	236.2	238.9	64
65	161.6	183.2	194.5	205.9	216.2	224.5	228.4	231.8	234.6	237.3	236.5	239.2	65
66	161.8	183.4	194.7	206.1	216.4	224.7	228.6	232.1	234.9	237.5	236.8	239.5	66
67	161.9	183.6	194.9	206.2	216.6	224.9	228.9	232.3	235.2	237.8	237.1	239.8	67
68	162.1	183.8	195.1	206.4	216.8	225.2	229.1	232.5	235.4	238.1	237.4	240.1	68
69	162.3	183.9	195.2	206.6	217.0	225.4	229.3	232.8	235.7	238.4	237.7	240.4	69
70	162.5	184.1	195.4	206.8	217.2	225.6	229.5	233.0	236.0	238.7	238.0	240.7	70
71	162.7	184.3	195.6	207.0	217.4	225.9	229.8	233.3	236.3	239.0	238.3	241.0	71
72	162.9	184.5	195.8	207.2	217.6	226.1	230.0	233.5	236.5	239.3	238.6	241.3	72
73	163.0	184.7	196.0	207.4	217.8	226.4	230.3	233.8	236.8	239.6	238.9	241.6	73
74	163.2	184.9	196.2	207.6	218.0	226.6	230.5	234.0	237.1	239.9	239.3	242.0	74
75	163.4	185.1	196.4	207.8	218.2	226.9	230.7	234.3	237.4	240.2	239.6	242.3	75
76	163.6	185.3	196.6	208.0	218.5	227.1	231.0	234.5	237.7	240.5	239.9	242.6	76
77	163.8	185.5	196.8	208.2	218.7	227.4	231.3	234.8	238.0	240.8	240.3	243.0	77
78	164.1	185.7	197.0	208.4	218.9	227.7	231.5	235.1	238.4	241.2	240.7	243.4	78
79	164.3	185.9	197.2	208.6	219.2	227.9	231.8	235.4	238.7	241.5	241.0	243.7	79
80	164.5	186.1	197.4	208.8	219.4	228.2	232.1	235.7	239.0	241.9	241.4	244.1	80
81	164.7	186.4	197.7	209.1	219.7	228.5	232.4	236.0	239.4	242.2	241.8	244.5	81
82	165.0	186.6	197.9	209.3	219.9	228.8	232.7	236.3	239.7	242.6	242.2	244.9	82
83	165.2	186.8	198.1	209.6	220.2	229.1	233.0	236.6	240.1	243.0	242.6	245.3	83
84	165.5	187.1	198.4	209.8	220.5	229.5	233.3	237.0	240.5	243.4	243.0	245.8	84
85	165.7	187.4	198.7	210.1	220.8	229.8	233.7	237.3	240.9	243.8	243.5	246.2	85
86	166.0	187.6	198.9	210.4	221.1	230.2	234.0	237.7	241.3	244.3	244.0	246.7	86
87	166.3	187.9	199.2	210.7	221.4	230.5	234.4	238.1	241.8	244.7	244.5	247.2	87
88	166.6	188.2	199.5	211.0	221.7	230.9	234.8	238.5	242.2	245.2	245.0	247.7	88
89	167.0	188.6	199.9	211.3	222.1	231.4	235.2	238.9	242.7	245.7	245.5	248.3	89
90	167.3	188.9	200.2	211.7	222.5	231.8	235.6	239.4	243.3	246.3	246.1	248.9	90
91	167.7	189.3	200.6	212.1	222.9	232.3	236.1	239.9	243.8	246.9	246.8	249.5	91
92	168.1	189.7	201.0	212.5	223.4	232.8	236.6	240.4	244.4	247.5	247.4	250.2	92
93	168.5	190.1	201.5	212.9	223.9	233.4	237.2	241.0	245.1	248.2	248.2	251.0	93
94	169.0	190.6	202.0	213.4	224.4	234.0	237.8	241.7	245.9	249.0	249.0	251.9	94
95	169.6	191.2	202.5	214.0	225.0	234.8	238.6	242.5	246.8	249.9	250.0	252.9	95
96	170.3	191.9	203.2	214.7	225.8	235.6	239.4	243.3	247.8	251.0	251.2	254.0	96
97	171.1	192.7	204.0	215.5	226.7	236.7	240.5	244.4	249.0	252.3	252.5	255.4	97
98	172.2	193.8	205.1	216.7	227.9	238.1	241.8	245.9	250.7	254.0	254.4	257.3	98
99	174.0	195.5	206.8	218.4	229.8	240.3	244.0	248.2	253.3	256.8	257.3	260.3	99

Table C.2.4: Fall Reading School Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	127.0	147.2	159.8	172.7	183.1	191.1	196.3	199.2	199.9	203.6	201.4	204.8	1
2	128.7	148.7	161.6	174.5	184.8	192.8	198.0	201.0	201.9	205.6	203.6	206.9	2
3	129.7	149.7	162.7	175.7	186.0	193.9	199.1	202.1	203.2	206.8	205.0	208.2	3
4	130.5	150.5	163.5	176.6	186.8	194.7	199.9	203.0	204.2	207.7	206.1	209.2	4
5	131.1	151.1	164.2	177.3	187.5	195.4	200.6	203.6	205.0	208.5	207.0	210.0	5
6	131.7	151.6	164.8	177.9	188.1	195.9	201.2	204.2	205.6	209.1	207.7	210.7	6
7	132.1	152.1	165.3	178.4	188.6	196.4	201.7	204.8	206.2	209.7	208.4	211.3	7
8	132.6	152.5	165.7	178.9	189.0	196.9	202.1	205.2	206.7	210.2	208.9	211.8	8
9	133.0	152.9	166.1	179.3	189.5	197.3	202.5	205.6	207.2	210.7	209.5	212.3	9
10	133.3	153.2	166.5	179.7	189.9	197.6	202.9	206.0	207.7	211.1	210.0	212.8	10
11	133.7	153.6	166.9	180.1	190.2	198.0	203.2	206.4	208.1	211.5	210.4	213.2	11
12	134.0	153.9	167.2	180.4	190.5	198.3	203.6	206.7	208.5	211.8	210.8	213.6	12
13	134.3	154.1	167.5	180.7	190.9	198.6	203.9	207.1	208.8	212.2	211.2	214.0	13
14	134.5	154.4	167.8	181.0	191.2	198.9	204.2	207.4	209.2	212.5	211.6	214.3	14
15	134.8	154.7	168.1	181.3	191.4	199.2	204.4	207.6	209.5	212.8	212.0	214.7	15
16	135.1	154.9	168.4	181.6	191.7	199.4	204.7	207.9	209.8	213.1	212.3	215.0	16
17	135.3	155.1	168.6	181.9	192.0	199.7	205.0	208.2	210.1	213.4	212.6	215.3	17
18	135.5	155.4	168.9	182.2	192.2	199.9	205.2	208.4	210.4	213.7	213.0	215.6	18
19	135.8	155.6	169.1	182.4	192.5	200.2	205.4	208.7	210.7	214.0	213.3	215.9	19
20	136.0	155.8	169.3	182.6	192.7	200.4	205.7	208.9	211.0	214.2	213.6	216.2	20
21	136.2	156.0	169.6	182.9	192.9	200.6	205.9	209.2	211.2	214.5	213.8	216.4	21
22	136.4	156.2	169.8	183.1	193.2	200.8	206.1	209.4	211.5	214.7	214.1	216.7	22
23	136.6	156.4	170.0	183.3	193.4	201.0	206.3	209.6	211.7	214.9	214.4	217.0	23
24	136.8	156.6	170.2	183.6	193.6	201.2	206.5	209.8	212.0	215.2	214.7	217.2	24
25	137.0	156.8	170.4	183.8	193.8	201.4	206.7	210.0	212.2	215.4	214.9	217.5	25
26	137.2	157.0	170.6	184.0	194.0	201.6	206.9	210.2	212.4	215.6	215.2	217.7	26
27	137.4	157.1	170.8	184.2	194.2	201.8	207.1	210.4	212.7	215.8	215.4	217.9	27
28	137.5	157.3	171.0	184.4	194.4	202.0	207.3	210.6	212.9	216.1	215.7	218.2	28
29	137.7	157.5	171.2	184.6	194.6	202.2	207.5	210.8	213.1	216.3	215.9	218.4	29
30	137.9	157.6	171.4	184.8	194.8	202.4	207.7	211.0	213.3	216.5	216.2	218.6	30
31	138.1	157.8	171.5	185.0	194.9	202.6	207.9	211.2	213.5	216.7	216.4	218.8	31
32	138.2	158.0	171.7	185.2	195.1	202.7	208.0	211.4	213.7	216.9	216.6	219.0	32
33	138.4	158.1	171.9	185.3	195.3	202.9	208.2	211.6	214.0	217.1	216.8	219.3	33
34	138.6	158.3	172.1	185.5	195.5	203.1	208.4	211.7	214.2	217.3	217.1	219.5	34
35	138.7	158.5	172.3	185.7	195.7	203.3	208.6	211.9	214.4	217.5	217.3	219.7	35
36	138.9	158.6	172.4	185.9	195.8	203.4	208.7	212.1	214.6	217.7	217.5	219.9	36
37	139.0	158.8	172.6	186.1	196.0	203.6	208.9	212.3	214.8	217.8	217.7	220.1	37
38	139.2	158.9	172.8	186.2	196.2	203.8	209.1	212.4	215.0	218.0	217.9	220.3	38
39	139.4	159.1	172.9	186.4	196.4	203.9	209.2	212.6	215.2	218.2	218.2	220.5	39
40	139.5	159.2	173.1	186.6	196.5	204.1	209.4	212.8	215.3	218.4	218.4	220.7	40
41	139.7	159.4	173.3	186.8	196.7	204.3	209.6	213.0	215.5	218.6	218.6	220.9	41
42	139.8	159.5	173.4	186.9	196.9	204.4	209.7	213.1	215.7	218.8	218.8	221.1	42
43	140.0	159.7	173.6	187.1	197.0	204.6	209.9	213.3	215.9	219.0	219.0	221.3	43
44	140.1	159.8	173.8	187.3	197.2	204.7	210.0	213.5	216.1	219.1	219.2	221.5	44
45	140.3	160.0	173.9	187.4	197.3	204.9	210.2	213.6	216.3	219.3	219.4	221.7	45
46	140.4	160.1	174.1	187.6	197.5	205.0	210.4	213.8	216.5	219.5	219.6	221.9	46
47	140.6	160.3	174.2	187.8	197.7	205.2	210.5	214.0	216.7	219.7	219.8	222.1	47
48	140.7	160.4	174.4	188.0	197.8	205.4	210.7	214.1	216.9	219.9	220.0	222.3	48
49	140.9	160.6	174.6	188.1	198.0	205.5	210.8	214.3	217.1	220.0	220.2	222.4	49

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Table C.2.4: Fall Reading School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	141	161	175	188	198	206	211	214	217	220	220	223	50
51	141.2	160.8	174.9	188.5	198.3	205.8	211.1	214.6	217.4	220.4	220.6	222.8	51
52	141.4	161.0	175.0	188.6	198.5	206.0	211.3	214.8	217.6	220.6	220.9	223.0	52
53	141.5	161.1	175.2	188.8	198.6	206.1	211.5	214.9	217.8	220.8	221.1	223.2	53
54	141.7	161.3	175.4	189.0	198.8	206.3	211.6	215.1	218.0	220.9	221.3	223.4	54
55	141.8	161.4	175.5	189.1	199.0	206.5	211.8	215.3	218.2	221.1	221.5	223.6	55
56	142.0	161.6	175.7	189.3	199.1	206.6	211.9	215.4	218.4	221.3	221.7	223.8	56
57	142.1	161.7	175.9	189.5	199.3	206.8	212.1	215.6	218.6	221.5	221.9	224.0	57
58	142.3	161.9	176.0	189.6	199.5	206.9	212.3	215.8	218.7	221.7	222.1	224.2	58
59	142.4	162.0	176.2	189.8	199.6	207.1	212.4	215.9	218.9	221.8	222.3	224.4	59
60	142.6	162.2	176.3	190.0	199.8	207.3	212.6	216.1	219.1	222.0	222.5	224.6	60
61	142.7	162.3	176.5	190.2	200.0	207.4	212.7	216.3	219.3	222.2	222.7	224.8	61
62	142.9	162.5	176.7	190.3	200.1	207.6	212.9	216.5	219.5	222.4	222.9	225.0	62
63	143.1	162.6	176.8	190.5	200.3	207.8	213.1	216.6	219.7	222.6	223.2	225.2	63
64	143.2	162.8	177.0	190.7	200.5	207.9	213.2	216.8	219.9	222.8	223.4	225.4	64
65	143.4	162.9	177.2	190.9	200.7	208.1	213.4	217.0	220.1	223.0	223.6	225.6	65
66	143.5	163.1	177.4	191.1	200.8	208.3	213.6	217.2	220.3	223.2	223.8	225.8	66
67	143.7	163.3	177.5	191.2	201.0	208.4	213.8	217.3	220.5	223.4	224.0	226.0	67
68	143.9	163.4	177.7	191.4	201.2	208.6	213.9	217.5	220.7	223.6	224.3	226.2	68
69	144.0	163.6	177.9	191.6	201.4	208.8	214.1	217.7	220.9	223.8	224.5	226.4	69
70	144.2	163.8	178.1	191.8	201.6	209.0	214.3	217.9	221.2	224.0	224.7	226.7	70
71	144.4	163.9	178.3	192.0	201.8	209.1	214.5	218.1	221.4	224.2	225.0	226.9	71
72	144.6	164.1	178.5	192.2	201.9	209.3	214.7	218.3	221.6	224.4	225.2	227.1	72
73	144.7	164.3	178.6	192.4	202.1	209.5	214.9	218.5	221.8	224.6	225.5	227.3	73
74	144.9	164.4	178.8	192.6	202.3	209.7	215.0	218.7	222.0	224.8	225.7	227.6	74
75	145.1	164.6	179.0	192.8	202.5	209.9	215.2	218.9	222.3	225.0	226.0	227.8	75
76	145.3	164.8	179.2	193.0	202.7	210.1	215.4	219.1	222.5	225.3	226.2	228.1	76
77	145.5	165.0	179.5	193.2	203.0	210.3	215.6	219.3	222.8	225.5	226.5	228.3	77
78	145.7	165.2	179.7	193.5	203.2	210.5	215.9	219.5	223.0	225.7	226.8	228.6	78
79	145.9	165.4	179.9	193.7	203.4	210.7	216.1	219.7	223.3	226.0	227.0	228.8	79
80	146.1	165.6	180.1	193.9	203.6	211.0	216.3	220.0	223.5	226.2	227.3	229.1	80
81	146.3	165.8	180.3	194.2	203.9	211.2	216.5	220.2	223.8	226.5	227.6	229.4	81
82	146.6	166.0	180.6	194.4	204.1	211.4	216.8	220.5	224.1	226.7	227.9	229.7	82
83	146.8	166.3	180.8	194.7	204.4	211.7	217.0	220.7	224.4	227.0	228.3	230.0	83
84	147.0	166.5	181.1	195.0	204.6	211.9	217.3	221.0	224.7	227.3	228.6	230.3	84
85	147.3	166.7	181.4	195.2	204.9	212.2	217.5	221.3	225.0	227.6	228.9	230.6	85
86	147.6	167.0	181.6	195.5	205.2	212.5	217.8	221.5	225.3	227.9	229.3	230.9	86
87	147.8	167.3	181.9	195.8	205.5	212.7	218.1	221.8	225.7	228.2	229.7	231.3	87
88	148.1	167.5	182.2	196.2	205.8	213.0	218.4	222.2	226.0	228.6	230.1	231.7	88
89	148.4	167.8	182.6	196.5	206.1	213.4	218.7	222.5	226.4	229.0	230.5	232.1	89
90	148.8	168.2	182.9	196.9	206.5	213.7	219.1	222.9	226.8	229.4	230.9	232.5	90
91	149.1	168.5	183.3	197.3	206.9	214.1	219.4	223.3	227.3	229.8	231.4	232.9	91
92	149.5	168.9	183.7	197.7	207.3	214.5	219.9	223.7	227.7	230.2	231.9	233.4	92
93	149.9	169.3	184.2	198.2	207.7	214.9	220.3	224.1	228.3	230.7	232.5	234.0	93
94	150.4	169.8	184.7	198.7	208.2	215.4	220.8	224.7	228.8	231.3	233.2	234.6	94
95	151.0	170.3	185.3	199.3	208.8	216.0	221.4	225.2	229.5	231.9	233.9	235.3	95
96	151.6	170.9	185.9	200.0	209.5	216.7	222.0	225.9	230.3	232.7	234.8	236.1	96
97	152.4	171.6	186.8	200.9	210.4	217.5	222.9	226.8	231.3	233.6	235.8	237.1	97
98	153.4	172.7	187.9	202.1	211.5	218.6	223.9	227.9	232.6	234.9	237.3	238.4	98
99	155.1	174.2	189.6	203.9	213.2	220.3	225.7	229.7	234.6	236.8	239.5	240.5	99

Table C.2.5: Winter Reading School Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	137.9	157.2	169.1	180.3	188.6	195.3	199.5	201.6	201.9	204.5	202.0	204.8	1
2	139.5	158.9	170.8	182.1	190.4	197.0	201.2	203.4	203.9	206.5	204.2	206.9	2
3	140.5	159.9	172.0	183.2	191.5	198.1	202.3	204.5	205.2	207.7	205.6	208.3	3
4	141.3	160.7	172.8	184.1	192.3	198.9	203.2	205.4	206.1	208.7	206.7	209.3	4
5	141.9	161.4	173.5	184.8	193.0	199.6	203.8	206.1	206.9	209.4	207.6	210.1	5
6	142.4	161.9	174.1	185.4	193.6	200.1	204.4	206.7	207.6	210.1	208.3	210.8	6
7	142.8	162.4	174.6	185.9	194.1	200.6	204.9	207.2	208.2	210.6	209.0	211.4	7
8	143.2	162.9	175.1	186.4	194.6	201.1	205.3	207.7	208.7	211.1	209.5	211.9	8
9	143.6	163.3	175.5	186.8	195.0	201.5	205.7	208.1	209.2	211.6	210.1	212.4	9
10	144.0	163.6	175.9	187.2	195.4	201.8	206.1	208.5	209.6	212.0	210.5	212.9	10
11	144.3	164.0	176.2	187.5	195.7	202.2	206.5	208.8	210.0	212.4	211.0	213.3	11
12	144.6	164.3	176.5	187.9	196.0	202.5	206.8	209.2	210.4	212.8	211.4	213.7	12
13	144.9	164.6	176.9	188.2	196.4	202.8	207.1	209.5	210.8	213.2	211.8	214.0	13
14	145.1	164.9	177.2	188.5	196.6	203.1	207.4	209.8	211.1	213.5	212.2	214.4	14
15	145.4	165.1	177.4	188.8	196.9	203.4	207.7	210.1	211.4	213.8	212.5	214.7	15
16	145.6	165.4	177.7	189.1	197.2	203.6	207.9	210.4	211.7	214.1	212.9	215.1	16
17	145.8	165.6	178.0	189.3	197.5	203.9	208.2	210.6	212.0	214.4	213.2	215.4	17
18	146.1	165.9	178.2	189.6	197.7	204.1	208.4	210.9	212.3	214.7	213.5	215.7	18
19	146.3	166.1	178.5	189.8	198.0	204.4	208.7	211.1	212.6	214.9	213.8	216.0	19
20	146.5	166.3	178.7	190.1	198.2	204.6	208.9	211.4	212.9	215.2	214.1	216.2	20
21	146.7	166.6	178.9	190.3	198.4	204.8	209.1	211.6	213.1	215.5	214.4	216.5	21
22	146.9	166.8	179.2	190.5	198.6	205.0	209.3	211.8	213.4	215.7	214.7	216.8	22
23	147.1	167.0	179.4	190.7	198.8	205.2	209.5	212.1	213.6	215.9	215.0	217.0	23
24	147.3	167.2	179.6	191.0	199.1	205.4	209.7	212.3	213.9	216.2	215.2	217.3	24
25	147.5	167.4	179.8	191.2	199.3	205.6	209.9	212.5	214.1	216.4	215.5	217.5	25
26	147.6	167.6	180.0	191.4	199.5	205.8	210.1	212.7	214.3	216.6	215.8	217.8	26
27	147.8	167.8	180.2	191.6	199.7	206.0	210.3	212.9	214.6	216.9	216.0	218.0	27
28	148.0	167.9	180.4	191.8	199.8	206.2	210.5	213.1	214.8	217.1	216.2	218.2	28
29	148.1	168.1	180.6	192.0	200.0	206.4	210.7	213.3	215.0	217.3	216.5	218.4	29
30	148.3	168.3	180.8	192.2	200.2	206.6	210.9	213.5	215.2	217.5	216.7	218.7	30
31	148.5	168.5	181.0	192.3	200.4	206.7	211.1	213.7	215.4	217.7	217.0	218.9	31
32	148.6	168.6	181.1	192.5	200.6	206.9	211.3	213.8	215.6	217.9	217.2	219.1	32
33	148.8	168.8	181.3	192.7	200.8	207.1	211.4	214.0	215.8	218.1	217.4	219.3	33
34	149.0	169.0	181.5	192.9	200.9	207.3	211.6	214.2	216.0	218.3	217.6	219.5	34
35	149.1	169.2	181.7	193.1	201.1	207.4	211.8	214.4	216.2	218.5	217.9	219.7	35
36	149.3	169.3	181.8	193.2	201.3	207.6	211.9	214.6	216.4	218.7	218.1	219.9	36
37	149.4	169.5	182.0	193.4	201.5	207.8	212.1	214.7	216.6	218.9	218.3	220.1	37
38	149.6	169.6	182.2	193.6	201.6	207.9	212.3	214.9	216.8	219.1	218.5	220.3	38
39	149.7	169.8	182.4	193.8	201.8	208.1	212.4	215.1	217.0	219.3	218.7	220.5	39
40	149.9	170.0	182.5	193.9	202.0	208.2	212.6	215.2	217.2	219.4	218.9	220.7	40
41	150.0	170.1	182.7	194.1	202.1	208.4	212.8	215.4	217.4	219.6	219.2	220.9	41
42	150.2	170.3	182.9	194.3	202.3	208.6	212.9	215.6	217.6	219.8	219.4	221.1	42
43	150.3	170.4	183.0	194.4	202.5	208.7	213.1	215.8	217.8	220.0	219.6	221.3	43
44	150.5	170.6	183.2	194.6	202.6	208.9	213.3	215.9	218.0	220.2	219.8	221.5	44
45	150.6	170.8	183.4	194.8	202.8	209.0	213.4	216.1	218.2	220.4	220.0	221.7	45
46	150.8	170.9	183.5	194.9	202.9	209.2	213.6	216.3	218.3	220.5	220.2	221.9	46
47	150.9	171.1	183.7	195.1	203.1	209.4	213.7	216.4	218.5	220.7	220.4	222.1	47
48	151.0	171.2	183.8	195.3	203.3	209.5	213.9	216.6	218.7	220.9	220.6	222.3	48
49	151.2	171.4	184.0	195.4	203.4	209.7	214.1	216.7	218.9	221.1	220.8	222.5	49

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Table C.2.5: Winter Reading School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	151	172	184	196	204	210	214	217	219	221	221	223	50
51	151.5	171.7	184.3	195.8	203.8	210.0	214.4	217.1	219.3	221.4	221.2	222.9	51
52	151.6	171.8	184.5	195.9	203.9	210.1	214.5	217.2	219.5	221.6	221.4	223.1	52
53	151.8	172.0	184.7	196.1	204.1	210.3	214.7	217.4	219.6	221.8	221.6	223.3	53
54	151.9	172.2	184.8	196.3	204.2	210.5	214.8	217.6	219.8	222.0	221.8	223.5	54
55	152.1	172.3	185.0	196.4	204.4	210.6	215.0	217.7	220.0	222.2	222.0	223.7	55
56	152.2	172.5	185.2	196.6	204.6	210.8	215.2	217.9	220.2	222.4	222.2	223.8	56
57	152.3	172.6	185.3	196.8	204.7	210.9	215.3	218.1	220.4	222.5	222.5	224.0	57
58	152.5	172.8	185.5	196.9	204.9	211.1	215.5	218.2	220.6	222.7	222.7	224.2	58
59	152.6	172.9	185.6	197.1	205.1	211.2	215.6	218.4	220.8	222.9	222.9	224.4	59
60	152.8	173.1	185.8	197.3	205.2	211.4	215.8	218.6	221.0	223.1	223.1	224.6	60
61	152.9	173.3	186.0	197.4	205.4	211.6	216.0	218.7	221.2	223.3	223.3	224.8	61
62	153.1	173.4	186.2	197.6	205.6	211.7	216.1	218.9	221.3	223.5	223.5	225.0	62
63	153.2	173.6	186.3	197.8	205.7	211.9	216.3	219.1	221.5	223.7	223.7	225.2	63
64	153.4	173.7	186.5	198.0	205.9	212.1	216.5	219.3	221.7	223.9	223.9	225.4	64
65	153.6	173.9	186.7	198.1	206.1	212.2	216.6	219.4	221.9	224.0	224.2	225.6	65
66	153.7	174.1	186.8	198.3	206.2	212.4	216.8	219.6	222.1	224.2	224.4	225.9	66
67	153.9	174.2	187.0	198.5	206.4	212.6	217.0	219.8	222.3	224.4	224.6	226.1	67
68	154.0	174.4	187.2	198.7	206.6	212.7	217.2	220.0	222.5	224.6	224.8	226.3	68
69	154.2	174.6	187.4	198.9	206.8	212.9	217.3	220.2	222.8	224.8	225.1	226.5	69
70	154.4	174.8	187.6	199.1	207.0	213.1	217.5	220.4	223.0	225.0	225.3	226.7	70
71	154.5	174.9	187.8	199.2	207.2	213.3	217.7	220.5	223.2	225.3	225.5	226.9	71
72	154.7	175.1	188.0	199.4	207.3	213.5	217.9	220.7	223.4	225.5	225.8	227.2	72
73	154.9	175.3	188.1	199.6	207.5	213.6	218.1	220.9	223.6	225.7	226.0	227.4	73
74	155.0	175.5	188.3	199.8	207.7	213.8	218.3	221.1	223.8	225.9	226.3	227.6	74
75	155.2	175.7	188.5	200.0	207.9	214.0	218.5	221.3	224.1	226.1	226.5	227.9	75
76	155.4	175.9	188.8	200.3	208.1	214.2	218.7	221.6	224.3	226.4	226.8	228.1	76
77	155.6	176.1	189.0	200.5	208.3	214.4	218.9	221.8	224.6	226.6	227.1	228.4	77
78	155.8	176.3	189.2	200.7	208.6	214.6	219.1	222.0	224.8	226.8	227.3	228.6	78
79	156.0	176.5	189.4	200.9	208.8	214.9	219.3	222.2	225.1	227.1	227.6	228.9	79
80	156.2	176.7	189.6	201.1	209.0	215.1	219.5	222.4	225.3	227.3	227.9	229.1	80
81	156.4	176.9	189.9	201.4	209.2	215.3	219.8	222.7	225.6	227.6	228.2	229.4	81
82	156.6	177.2	190.1	201.6	209.5	215.5	220.0	222.9	225.9	227.9	228.5	229.7	82
83	156.8	177.4	190.4	201.9	209.7	215.8	220.2	223.2	226.1	228.1	228.8	230.0	83
84	157.1	177.7	190.6	202.2	210.0	216.0	220.5	223.4	226.4	228.4	229.1	230.3	84
85	157.3	177.9	190.9	202.4	210.3	216.3	220.8	223.7	226.8	228.7	229.5	230.6	85
86	157.6	178.2	191.2	202.7	210.5	216.6	221.0	224.0	227.1	229.1	229.8	231.0	86
87	157.8	178.5	191.5	203.0	210.8	216.8	221.3	224.3	227.4	229.4	230.2	231.3	87
88	158.1	178.8	191.8	203.3	211.1	217.2	221.6	224.6	227.8	229.7	230.6	231.7	88
89	158.4	179.1	192.1	203.7	211.5	217.5	222.0	225.0	228.2	230.1	231.0	232.1	89
90	158.7	179.4	192.5	204.0	211.8	217.8	222.3	225.3	228.6	230.5	231.5	232.5	90
91	159.1	179.8	192.9	204.4	212.2	218.2	222.7	225.7	229.0	230.9	232.0	233.0	91
92	159.4	180.2	193.3	204.9	212.6	218.6	223.1	226.1	229.5	231.4	232.5	233.5	92
93	159.8	180.6	193.7	205.3	213.1	219.0	223.5	226.6	230.0	231.9	233.1	234.0	93
94	160.3	181.1	194.3	205.8	213.6	219.5	224.0	227.1	230.6	232.5	233.7	234.6	94
95	160.8	181.7	194.8	206.4	214.2	220.1	224.6	227.7	231.2	233.1	234.5	235.3	95
96	161.4	182.3	195.5	207.1	214.9	220.7	225.3	228.4	232.0	233.9	235.3	236.1	96
97	162.2	183.1	196.4	208.0	215.7	221.6	226.1	229.3	233.0	234.8	236.4	237.1	97
98	163.2	184.2	197.5	209.1	216.8	222.6	227.2	230.4	234.3	236.1	237.8	238.5	98
99	164.7	185.9	199.3	210.9	218.6	224.3	228.9	232.2	236.3	238.0	240.0	240.5	99

Table C.2.6: Spring Reading School Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1	144.5	162.0	173.0	183.2	190.8	197.1	200.8	202.6	202.7	204.6	201.7	203.9	1
2	146.1	163.8	174.8	185.0	192.6	198.8	202.5	204.4	204.7	206.6	204.0	206.1	2
3	147.1	165.0	176.0	186.1	193.7	199.9	203.6	205.6	206.0	207.9	205.4	207.4	3
4	147.8	165.8	176.9	187.0	194.6	200.7	204.5	206.5	207.0	208.9	206.5	208.5	4
5	148.5	166.6	177.6	187.7	195.3	201.4	205.2	207.2	207.8	209.7	207.4	209.3	5
6	149.0	167.2	178.2	188.3	195.8	202.0	205.7	207.8	208.4	210.3	208.2	210.0	6
7	149.5	167.7	178.7	188.8	196.4	202.5	206.2	208.3	209.0	210.9	208.8	210.7	7
8	149.9	168.1	179.2	189.3	196.8	202.9	206.7	208.8	209.6	211.5	209.4	211.2	8
9	150.3	168.6	179.6	189.7	197.2	203.3	207.1	209.2	210.0	211.9	210.0	211.7	9
10	150.6	169.0	180.0	190.1	197.6	203.7	207.5	209.6	210.5	212.4	210.5	212.2	10
11	150.9	169.3	180.4	190.5	198.0	204.0	207.9	210.0	210.9	212.8	210.9	212.6	11
12	151.2	169.7	180.8	190.8	198.3	204.4	208.2	210.3	211.3	213.2	211.4	213.0	12
13	151.5	170.0	181.1	191.1	198.6	204.7	208.5	210.6	211.6	213.5	211.8	213.4	13
14	151.8	170.3	181.4	191.5	198.9	205.0	208.8	210.9	212.0	213.9	212.1	213.8	14
15	152.0	170.6	181.7	191.7	199.2	205.2	209.1	211.2	212.3	214.2	212.5	214.1	15
16	152.3	170.9	182.0	192.0	199.5	205.5	209.3	211.5	212.6	214.5	212.9	214.5	16
17	152.5	171.2	182.3	192.3	199.7	205.8	209.6	211.8	212.9	214.8	213.2	214.8	17
18	152.8	171.4	182.5	192.5	200.0	206.0	209.9	212.0	213.2	215.1	213.5	215.1	18
19	153.0	171.7	182.8	192.8	200.2	206.2	210.1	212.3	213.5	215.4	213.8	215.4	19
20	153.2	171.9	183.0	193.0	200.5	206.5	210.3	212.5	213.8	215.6	214.1	215.7	20
21	153.4	172.1	183.2	193.3	200.7	206.7	210.6	212.8	214.0	215.9	214.4	216.0	21
22	153.6	172.4	183.5	193.5	200.9	206.9	210.8	213.0	214.3	216.1	214.7	216.2	22
23	153.8	172.6	183.7	193.7	201.1	207.1	211.0	213.2	214.5	216.4	215.0	216.5	23
24	154.0	172.8	183.9	193.9	201.3	207.3	211.2	213.4	214.8	216.6	215.3	216.7	24
25	154.2	173.0	184.1	194.1	201.6	207.5	211.4	213.6	215.0	216.9	215.5	217.0	25
26	154.4	173.2	184.3	194.4	201.8	207.7	211.6	213.9	215.3	217.1	215.8	217.2	26
27	154.5	173.4	184.6	194.6	202.0	207.9	211.8	214.1	215.5	217.3	216.1	217.5	27
28	154.7	173.6	184.8	194.8	202.1	208.1	212.0	214.3	215.7	217.5	216.3	217.7	28
29	154.9	173.8	185.0	195.0	202.3	208.3	212.2	214.5	215.9	217.8	216.6	218.0	29
30	155.1	174.0	185.2	195.1	202.5	208.5	212.4	214.7	216.1	218.0	216.8	218.2	30
31	155.2	174.2	185.3	195.3	202.7	208.7	212.6	214.8	216.4	218.2	217.0	218.4	31
32	155.4	174.4	185.5	195.5	202.9	208.8	212.7	215.0	216.6	218.4	217.3	218.6	32
33	155.6	174.6	185.7	195.7	203.1	209.0	212.9	215.2	216.8	218.6	217.5	218.9	33
34	155.7	174.8	185.9	195.9	203.3	209.2	213.1	215.4	217.0	218.8	217.7	219.1	34
35	155.9	174.9	186.1	196.1	203.4	209.4	213.3	215.6	217.2	219.0	218.0	219.3	35
36	156.0	175.1	186.3	196.2	203.6	209.5	213.4	215.8	217.4	219.2	218.2	219.5	36
37	156.2	175.3	186.5	196.4	203.8	209.7	213.6	215.9	217.6	219.4	218.4	219.7	37
38	156.3	175.5	186.6	196.6	203.9	209.9	213.8	216.1	217.8	219.6	218.6	219.9	38
39	156.5	175.7	186.8	196.8	204.1	210.0	214.0	216.3	218.0	219.8	218.8	220.1	39
40	156.7	175.8	187.0	196.9	204.3	210.2	214.1	216.5	218.2	220.0	219.1	220.3	40
41	156.8	176.0	187.2	197.1	204.5	210.4	214.3	216.6	218.4	220.2	219.3	220.5	41
42	157.0	176.2	187.3	197.3	204.6	210.5	214.5	216.8	218.6	220.4	219.5	220.7	42
43	157.1	176.3	187.5	197.5	204.8	210.7	214.6	217.0	218.8	220.6	219.7	220.9	43
44	157.3	176.5	187.7	197.6	204.9	210.8	214.8	217.1	218.9	220.8	219.9	221.1	44
45	157.4	176.7	187.8	197.8	205.1	211.0	214.9	217.3	219.1	220.9	220.1	221.3	45
46	157.6	176.8	188.0	198.0	205.3	211.2	215.1	217.5	219.3	221.1	220.3	221.5	46
47	157.7	177.0	188.2	198.1	205.4	211.3	215.3	217.7	219.5	221.3	220.6	221.7	47
48	157.9	177.2	188.4	198.3	205.6	211.5	215.4	217.8	219.7	221.5	220.8	221.9	48
49	158.0	177.4	188.5	198.5	205.8	211.6	215.6	218.0	219.9	221.7	221.0	222.1	49

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Table C.2.6: Spring Reading School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50	158	178	189	199	206	212	216	218	220	222	221	222	50
51	158.3	177.7	188.9	198.8	206.1	211.9	215.9	218.3	220.3	222.1	221.4	222.5	51
52	158.4	177.9	189.0	199.0	206.2	212.1	216.1	218.5	220.4	222.2	221.6	222.7	52
53	158.6	178.0	189.2	199.1	206.4	212.3	216.2	218.7	220.6	222.4	221.8	222.9	53
54	158.7	178.2	189.4	199.3	206.6	212.4	216.4	218.8	220.8	222.6	222.0	223.1	54
55	158.9	178.4	189.5	199.5	206.7	212.6	216.6	219.0	221.0	222.8	222.2	223.3	55
56	159.0	178.5	189.7	199.6	206.9	212.7	216.7	219.2	221.2	223.0	222.4	223.5	56
57	159.2	178.7	189.9	199.8	207.1	212.9	216.9	219.3	221.4	223.2	222.7	223.7	57
58	159.3	178.9	190.1	200.0	207.2	213.1	217.1	219.5	221.6	223.4	222.9	223.9	58
59	159.5	179.0	190.2	200.1	207.4	213.2	217.2	219.7	221.8	223.6	223.1	224.1	59
60	159.6	179.2	190.4	200.3	207.6	213.4	217.4	219.9	222.0	223.7	223.3	224.3	60
61	159.8	179.4	190.6	200.5	207.7	213.6	217.6	220.0	222.2	223.9	223.5	224.5	61
62	159.9	179.6	190.8	200.6	207.9	213.7	217.7	220.2	222.4	224.1	223.7	224.8	62
63	160.1	179.7	190.9	200.8	208.1	213.9	217.9	220.4	222.6	224.3	224.0	225.0	63
64	160.3	179.9	191.1	201.0	208.2	214.1	218.1	220.6	222.8	224.5	224.2	225.2	64
65	160.4	180.1	191.3	201.2	208.4	214.2	218.2	220.7	223.0	224.7	224.4	225.4	65
66	160.6	180.3	191.5	201.4	208.6	214.4	218.4	220.9	223.2	224.9	224.6	225.6	66
67	160.7	180.5	191.7	201.5	208.8	214.6	218.6	221.1	223.4	225.1	224.9	225.8	67
68	160.9	180.6	191.9	201.7	209.0	214.7	218.8	221.3	223.6	225.3	225.1	226.0	68
69	161.1	180.8	192.0	201.9	209.1	214.9	218.9	221.5	223.8	225.5	225.3	226.3	69
70	161.2	181.0	192.2	202.1	209.3	215.1	219.1	221.7	224.0	225.8	225.6	226.5	70
71	161.4	181.2	192.4	202.3	209.5	215.3	219.3	221.9	224.2	226.0	225.8	226.7	71
72	161.6	181.4	192.6	202.5	209.7	215.5	219.5	222.1	224.4	226.2	226.1	226.9	72
73	161.7	181.6	192.8	202.7	209.9	215.7	219.7	222.3	224.7	226.4	226.3	227.2	73
74	161.9	181.8	193.0	202.9	210.1	215.9	219.9	222.5	224.9	226.6	226.6	227.4	74
75	162.1	182.0	193.2	203.1	210.3	216.0	220.1	222.7	225.1	226.9	226.8	227.7	75
76	162.3	182.2	193.5	203.3	210.5	216.2	220.3	222.9	225.4	227.1	227.1	227.9	76
77	162.5	182.4	193.7	203.5	210.7	216.5	220.5	223.1	225.6	227.3	227.4	228.2	77
78	162.7	182.7	193.9	203.7	210.9	216.7	220.7	223.3	225.9	227.6	227.6	228.4	78
79	162.9	182.9	194.1	204.0	211.2	216.9	220.9	223.6	226.1	227.9	227.9	228.7	79
80	163.1	183.1	194.4	204.2	211.4	217.1	221.2	223.8	226.4	228.1	228.2	229.0	80
81	163.3	183.4	194.6	204.4	211.6	217.3	221.4	224.0	226.6	228.4	228.5	229.3	81
82	163.5	183.6	194.9	204.7	211.9	217.6	221.6	224.3	226.9	228.7	228.8	229.6	82
83	163.8	183.9	195.1	204.9	212.1	217.8	221.9	224.5	227.2	228.9	229.2	229.9	83
84	164.0	184.1	195.4	205.2	212.4	218.1	222.2	224.8	227.5	229.2	229.5	230.2	84
85	164.2	184.4	195.7	205.5	212.6	218.3	222.4	225.1	227.8	229.6	229.9	230.5	85
86	164.5	184.7	196.0	205.8	212.9	218.6	222.7	225.4	228.2	229.9	230.2	230.9	86
87	164.8	185.0	196.3	206.1	213.2	218.9	223.0	225.7	228.5	230.2	230.6	231.2	87
88	165.1	185.4	196.6	206.4	213.5	219.2	223.3	226.0	228.9	230.6	231.0	231.6	88
89	165.4	185.7	197.0	206.8	213.9	219.5	223.7	226.4	229.3	231.0	231.4	232.0	89
90	165.7	186.1	197.3	207.1	214.2	219.9	224.0	226.7	229.7	231.4	231.9	232.5	90
91	166.0	186.5	197.7	207.5	214.6	220.3	224.4	227.1	230.1	231.8	232.4	232.9	91
92	166.4	186.9	198.2	207.9	215.0	220.7	224.8	227.6	230.6	232.3	232.9	233.5	92
93	166.8	187.4	198.7	208.4	215.5	221.1	225.3	228.0	231.1	232.8	233.5	234.0	93
94	167.3	187.9	199.2	208.9	216.0	221.6	225.8	228.6	231.7	233.4	234.2	234.6	94
95	167.8	188.5	199.8	209.5	216.6	222.2	226.3	229.2	232.4	234.1	234.9	235.4	95
96	168.4	189.2	200.5	210.2	217.3	222.8	227.0	229.9	233.2	234.9	235.8	236.2	96
97	169.2	190.1	201.4	211.1	218.1	223.7	227.9	230.7	234.2	235.8	236.9	237.2	97
98	170.2	191.2	202.6	212.2	219.2	224.8	229.0	231.9	235.4	237.1	238.4	238.6	98
99	171.8	193.0	204.4	214.1	221.0	226.5	230.7	233.7	237.5	239.1	240.6	240.7	99

Table C.2.7: Fall Language Usage School Achievement Percentiles

Pct	K	Grade										Pct
		1	2	3	4	5	6	7	8	9	10	
1		159.1	174.8	184.8	192.6	197.2	200.4	200.9	202.7	202.0	205.7	1
2		160.9	176.5	186.4	194.1	198.8	202.0	202.7	204.6	204.0	207.6	2
3		162.0	177.6	187.5	195.1	199.8	203.0	203.9	205.7	205.2	208.7	3
4		162.9	178.4	188.3	195.8	200.5	203.8	204.7	206.6	206.2	209.6	4
5		163.6	179.1	188.9	196.4	201.2	204.4	205.4	207.3	206.9	210.3	5
6		164.2	179.6	189.4	196.9	201.7	204.9	206.0	207.9	207.6	211.0	6
7		164.7	180.1	189.9	197.4	202.1	205.4	206.5	208.4	208.2	211.5	7
8		165.2	180.6	190.3	197.8	202.6	205.8	207.0	208.9	208.7	212.0	8
9		165.6	181.0	190.7	198.1	202.9	206.2	207.4	209.4	209.2	212.4	9
10		166.0	181.3	191.1	198.5	203.3	206.5	207.8	209.7	209.6	212.8	10
11		166.4	181.7	191.4	198.8	203.6	206.8	208.1	210.1	210.0	213.2	11
12		166.7	182.0	191.7	199.1	203.9	207.2	208.5	210.5	210.4	213.5	12
13		167.0	182.3	192.0	199.3	204.2	207.4	208.8	210.8	210.7	213.9	13
14		167.3	182.6	192.3	199.6	204.4	207.7	209.1	211.1	211.1	214.2	14
15		167.6	182.9	192.6	199.8	204.7	208.0	209.4	211.4	211.4	214.5	15
16		167.9	183.2	192.8	200.1	204.9	208.2	209.7	211.7	211.7	214.8	16
17		168.2	183.4	193.1	200.3	205.2	208.4	209.9	212.0	212.0	215.0	17
18		168.4	183.6	193.3	200.5	205.4	208.7	210.2	212.2	212.3	215.3	18
19		168.7	183.9	193.5	200.7	205.6	208.9	210.4	212.5	212.5	215.5	19
20		168.9	184.1	193.7	200.9	205.8	209.1	210.7	212.7	212.8	215.8	20
21		169.2	184.3	194.0	201.1	206.0	209.3	210.9	212.9	213.1	216.0	21
22		169.4	184.5	194.2	201.3	206.2	209.5	211.1	213.2	213.3	216.3	22
23		169.6	184.8	194.4	201.5	206.4	209.7	211.3	213.4	213.5	216.5	23
24		169.8	185.0	194.6	201.7	206.6	209.9	211.6	213.6	213.8	216.7	24
25		170.0	185.2	194.8	201.9	206.8	210.1	211.8	213.8	214.0	216.9	25
26		170.2	185.4	194.9	202.0	207.0	210.3	212.0	214.0	214.2	217.1	26
27		170.4	185.6	195.1	202.2	207.2	210.4	212.2	214.2	214.5	217.3	27
28		170.6	185.7	195.3	202.4	207.3	210.6	212.4	214.5	214.7	217.6	28
29		170.8	185.9	195.5	202.5	207.5	210.8	212.6	214.6	214.9	217.8	29
30		171.0	186.1	195.7	202.7	207.7	211.0	212.7	214.8	215.1	217.9	30
31		171.2	186.3	195.8	202.9	207.8	211.1	212.9	215.0	215.3	218.1	31
32		171.4	186.5	196.0	203.0	208.0	211.3	213.1	215.2	215.5	218.3	32
33		171.6	186.6	196.2	203.2	208.2	211.4	213.3	215.4	215.7	218.5	33
34		171.8	186.8	196.3	203.3	208.3	211.6	213.5	215.6	215.9	218.7	34
35		172.0	187.0	196.5	203.5	208.5	211.8	213.7	215.8	216.1	218.9	35
36		172.1	187.2	196.7	203.6	208.6	211.9	213.8	216.0	216.3	219.1	36
37		172.3	187.3	196.8	203.8	208.8	212.1	214.0	216.1	216.5	219.3	37
38		172.5	187.5	197.0	203.9	209.0	212.2	214.2	216.3	216.7	219.4	38
39		172.7	187.7	197.1	204.1	209.1	212.4	214.3	216.5	216.9	219.6	39
40		172.8	187.8	197.3	204.2	209.3	212.5	214.5	216.7	217.1	219.8	40
41		173.0	188.0	197.5	204.4	209.4	212.7	214.7	216.8	217.3	220.0	41
42		173.2	188.1	197.6	204.5	209.6	212.8	214.9	217.0	217.5	220.1	42
43		173.3	188.3	197.8	204.6	209.7	213.0	215.0	217.2	217.6	220.3	43
44		173.5	188.5	197.9	204.8	209.8	213.1	215.2	217.4	217.8	220.5	44
45		173.7	188.6	198.1	204.9	210.0	213.3	215.4	217.5	218.0	220.7	45
46		173.8	188.8	198.2	205.1	210.1	213.4	215.5	217.7	218.2	220.8	46
47		174.0	188.9	198.4	205.2	210.3	213.6	215.7	217.9	218.4	221.0	47
48		174.2	189.1	198.5	205.4	210.4	213.7	215.8	218.0	218.6	221.2	48
49		174.3	189.3	198.7	205.5	210.6	213.9	216.0	218.2	218.7	221.3	49

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Table C.2.7: Fall Language Usage School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50		175	189	199	206	211	214	216	218	219	222	50	
51		174.7	189.6	199.0	205.8	210.9	214.2	216.3	218.5	219.1	221.7	51	
52		174.8	189.7	199.1	205.9	211.0	214.3	216.5	218.7	219.3	221.9	52	
53		175.0	189.9	199.3	206.1	211.2	214.5	216.7	218.9	219.5	222.0	53	
54		175.2	190.0	199.4	206.2	211.3	214.6	216.8	219.0	219.7	222.2	54	
55		175.3	190.2	199.6	206.3	211.5	214.8	217.0	219.2	219.8	222.4	55	
56		175.5	190.4	199.7	206.5	211.6	214.9	217.2	219.4	220.0	222.5	56	
57		175.7	190.5	199.9	206.6	211.8	215.0	217.3	219.6	220.2	222.7	57	
58		175.9	190.7	200.0	206.8	211.9	215.2	217.5	219.7	220.4	222.9	58	
59		176.0	190.8	200.2	206.9	212.1	215.3	217.7	219.9	220.6	223.1	59	
60		176.2	191.0	200.4	207.1	212.2	215.5	217.8	220.1	220.8	223.2	60	
61		176.4	191.2	200.5	207.2	212.4	215.7	218.0	220.3	221.0	223.4	61	
62		176.5	191.3	200.7	207.3	212.5	215.8	218.2	220.4	221.2	223.6	62	
63		176.7	191.5	200.8	207.5	212.7	216.0	218.3	220.6	221.3	223.8	63	
64		176.9	191.7	201.0	207.6	212.8	216.1	218.5	220.8	221.5	223.9	64	
65		177.1	191.8	201.2	207.8	213.0	216.3	218.7	221.0	221.7	224.1	65	
66		177.2	192.0	201.3	207.9	213.1	216.4	218.9	221.1	221.9	224.3	66	
67		177.4	192.2	201.5	208.1	213.3	216.6	219.1	221.3	222.1	224.5	67	
68		177.6	192.4	201.7	208.3	213.4	216.8	219.2	221.5	222.3	224.7	68	
69		177.8	192.5	201.8	208.4	213.6	216.9	219.4	221.7	222.5	224.9	69	
70		178.0	192.7	202.0	208.6	213.8	217.1	219.6	221.9	222.8	225.1	70	
71		178.2	192.9	202.2	208.7	213.9	217.3	219.8	222.1	223.0	225.3	71	
72		178.4	193.1	202.3	208.9	214.1	217.4	220.0	222.3	223.2	225.5	72	
73		178.6	193.3	202.5	209.1	214.3	217.6	220.2	222.5	223.4	225.7	73	
74		178.8	193.5	202.7	209.2	214.5	217.8	220.4	222.7	223.6	225.9	74	
75		179.0	193.7	202.9	209.4	214.7	218.0	220.6	222.9	223.8	226.1	75	
76		179.2	193.9	203.1	209.6	214.8	218.1	220.8	223.1	224.1	226.3	76	
77		179.4	194.1	203.3	209.8	215.0	218.3	221.0	223.3	224.3	226.5	77	
78		179.6	194.3	203.5	210.0	215.2	218.5	221.2	223.6	224.6	226.8	78	
79		179.9	194.5	203.7	210.1	215.4	218.7	221.5	223.8	224.8	227.0	79	
80		180.1	194.7	203.9	210.3	215.6	218.9	221.7	224.0	225.1	227.2	80	
81		180.3	194.9	204.1	210.5	215.8	219.1	221.9	224.3	225.3	227.5	81	
82		180.6	195.2	204.4	210.8	216.1	219.4	222.2	224.5	225.6	227.7	82	
83		180.8	195.4	204.6	211.0	216.3	219.6	222.4	224.8	225.9	228.0	83	
84		181.1	195.7	204.8	211.2	216.5	219.8	222.7	225.1	226.2	228.3	84	
85		181.4	195.9	205.1	211.4	216.8	220.1	223.0	225.3	226.5	228.6	85	
86		181.7	196.2	205.4	211.7	217.0	220.3	223.2	225.6	226.8	228.8	86	
87		182.0	196.5	205.6	211.9	217.3	220.6	223.5	226.0	227.1	229.2	87	
88		182.3	196.8	205.9	212.2	217.6	220.9	223.9	226.3	227.5	229.5	88	
89		182.6	197.1	206.2	212.5	217.9	221.2	224.2	226.6	227.9	229.8	89	
90		183.0	197.5	206.6	212.8	218.2	221.5	224.6	227.0	228.3	230.2	90	
91		183.4	197.8	206.9	213.1	218.5	221.9	224.9	227.4	228.7	230.6	91	
92		183.8	198.3	207.3	213.5	218.9	222.2	225.4	227.8	229.2	231.1	92	
93		184.3	198.7	207.7	213.9	219.3	222.6	225.8	228.3	229.7	231.5	93	
94		184.8	199.2	208.2	214.3	219.8	223.1	226.3	228.8	230.3	232.1	94	
95		185.4	199.8	208.8	214.8	220.3	223.6	226.9	229.4	230.9	232.7	95	
96		186.1	200.4	209.4	215.4	220.9	224.3	227.6	230.2	231.7	233.4	96	
97		187.0	201.2	210.2	216.2	221.7	225.0	228.5	231.0	232.6	234.3	97	
98		188.1	202.3	211.2	217.1	222.7	226.0	229.6	232.2	233.9	235.5	98	
99		189.9	204.1	212.9	218.7	224.3	227.6	231.4	234.0	235.9	237.3	99	

Table C.2.8: Winter Language Usage School Achievement Percentiles

Pct	K	Grade										Pct
		1	2	3	4	5	6	7	8	9	10	
1		169.5	182.5	190.7	196.8	200.4	202.8	202.6	203.9	202.7	206.2	1
2		171.3	184.2	192.3	198.3	202.0	204.4	204.4	205.8	204.7	208.1	2
3		172.5	185.3	193.3	199.3	203.0	205.4	205.5	206.9	206.0	209.3	3
4		173.3	186.1	194.1	200.0	203.8	206.2	206.4	207.8	206.9	210.1	4
5		174.0	186.7	194.7	200.6	204.4	206.8	207.1	208.6	207.7	210.9	5
6		174.6	187.3	195.2	201.1	204.9	207.4	207.7	209.2	208.3	211.5	6
7		175.2	187.7	195.7	201.5	205.4	207.8	208.2	209.7	208.9	212.0	7
8		175.6	188.2	196.1	201.9	205.8	208.2	208.7	210.2	209.4	212.5	8
9		176.1	188.6	196.5	202.3	206.2	208.6	209.1	210.6	209.9	212.9	9
10		176.4	188.9	196.8	202.6	206.5	209.0	209.5	211.0	210.3	213.4	10
11		176.8	189.3	197.2	202.9	206.8	209.3	209.9	211.4	210.7	213.7	11
12		177.2	189.6	197.5	203.2	207.1	209.6	210.3	211.7	211.1	214.1	12
13		177.5	189.9	197.8	203.4	207.4	209.9	210.6	212.1	211.5	214.4	13
14		177.8	190.2	198.0	203.7	207.7	210.2	210.9	212.4	211.8	214.7	14
15		178.1	190.5	198.3	203.9	207.9	210.4	211.2	212.7	212.1	215.0	15
16		178.3	190.7	198.5	204.2	208.2	210.7	211.5	213.0	212.4	215.3	16
17		178.6	191.0	198.8	204.4	208.4	210.9	211.7	213.2	212.7	215.6	17
18		178.9	191.2	199.0	204.6	208.6	211.1	212.0	213.5	213.0	215.9	18
19		179.1	191.4	199.2	204.8	208.8	211.3	212.2	213.8	213.3	216.1	19
20		179.4	191.7	199.4	205.0	209.1	211.6	212.5	214.0	213.6	216.4	20
21		179.6	191.9	199.6	205.2	209.3	211.8	212.7	214.2	213.8	216.6	21
22		179.8	192.1	199.8	205.4	209.5	212.0	212.9	214.5	214.1	216.8	22
23		180.0	192.3	200.0	205.6	209.7	212.2	213.2	214.7	214.3	217.1	23
24		180.3	192.5	200.2	205.8	209.8	212.4	213.4	214.9	214.6	217.3	24
25		180.5	192.7	200.4	206.0	210.0	212.5	213.6	215.1	214.8	217.5	25
26		180.7	192.9	200.6	206.1	210.2	212.7	213.8	215.4	215.0	217.7	26
27		180.9	193.1	200.8	206.3	210.4	212.9	214.0	215.6	215.2	217.9	27
28		181.1	193.2	201.0	206.5	210.6	213.1	214.2	215.8	215.5	218.1	28
29		181.3	193.4	201.1	206.6	210.7	213.3	214.4	216.0	215.7	218.3	29
30		181.5	193.6	201.3	206.8	210.9	213.4	214.6	216.2	215.9	218.5	30
31		181.7	193.8	201.5	206.9	211.1	213.6	214.8	216.4	216.1	218.7	31
32		181.8	194.0	201.6	207.1	211.2	213.8	215.0	216.5	216.3	218.9	32
33		182.0	194.1	201.8	207.3	211.4	213.9	215.1	216.7	216.5	219.1	33
34		182.2	194.3	202.0	207.4	211.5	214.1	215.3	216.9	216.7	219.3	34
35		182.4	194.5	202.1	207.6	211.7	214.2	215.5	217.1	216.9	219.5	35
36		182.6	194.6	202.3	207.7	211.9	214.4	215.7	217.3	217.1	219.7	36
37		182.7	194.8	202.4	207.9	212.0	214.6	215.9	217.5	217.3	219.8	37
38		182.9	195.0	202.6	208.0	212.2	214.7	216.0	217.7	217.5	220.0	38
39		183.1	195.1	202.8	208.2	212.3	214.9	216.2	217.8	217.7	220.2	39
40		183.3	195.3	202.9	208.3	212.5	215.0	216.4	218.0	217.9	220.4	40
41		183.4	195.4	203.1	208.4	212.6	215.2	216.6	218.2	218.1	220.6	41
42		183.6	195.6	203.2	208.6	212.8	215.3	216.7	218.4	218.2	220.7	42
43		183.8	195.7	203.4	208.7	212.9	215.5	216.9	218.5	218.4	220.9	43
44		183.9	195.9	203.5	208.9	213.1	215.6	217.1	218.7	218.6	221.1	44
45		184.1	196.1	203.7	209.0	213.2	215.8	217.2	218.9	218.8	221.2	45
46		184.3	196.2	203.8	209.1	213.4	215.9	217.4	219.0	219.0	221.4	46
47		184.4	196.4	204.0	209.3	213.5	216.1	217.6	219.2	219.2	221.6	47
48		184.6	196.5	204.1	209.4	213.6	216.2	217.7	219.4	219.4	221.8	48
49		184.8	196.7	204.3	209.6	213.8	216.4	217.9	219.6	219.5	221.9	49

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Table C.2.8: Winter Language Usage School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50		185	197	204	210	214	217	218	220	220	222	222	50
51		185.1	197.0	204.6	209.8	214.1	216.7	218.2	219.9	219.9	222.3	222.3	51
52		185.3	197.1	204.7	210.0	214.2	216.8	218.4	220.1	220.1	222.4	222.4	52
53		185.4	197.3	204.9	210.1	214.4	217.0	218.6	220.2	220.3	222.6	222.6	53
54		185.6	197.5	205.0	210.3	214.5	217.1	218.7	220.4	220.5	222.8	222.8	54
55		185.8	197.6	205.2	210.4	214.7	217.2	218.9	220.6	220.6	223.0	223.0	55
56		185.9	197.8	205.3	210.5	214.8	217.4	219.1	220.8	220.8	223.1	223.1	56
57		186.1	197.9	205.5	210.7	215.0	217.5	219.3	220.9	221.0	223.3	223.3	57
58		186.3	198.1	205.6	210.8	215.1	217.7	219.4	221.1	221.2	223.5	223.5	58
59		186.4	198.2	205.8	211.0	215.3	217.8	219.6	221.3	221.4	223.7	223.7	59
60		186.6	198.4	205.9	211.1	215.4	218.0	219.8	221.4	221.6	223.8	223.8	60
61		186.8	198.6	206.1	211.3	215.6	218.2	219.9	221.6	221.8	224.0	224.0	61
62		187.0	198.7	206.2	211.4	215.7	218.3	220.1	221.8	222.0	224.2	224.2	62
63		187.1	198.9	206.4	211.5	215.9	218.5	220.3	222.0	222.1	224.4	224.4	63
64		187.3	199.0	206.5	211.7	216.0	218.6	220.5	222.2	222.3	224.6	224.6	64
65		187.5	199.2	206.7	211.8	216.2	218.8	220.6	222.3	222.5	224.7	224.7	65
66		187.7	199.4	206.8	212.0	216.3	218.9	220.8	222.5	222.7	224.9	224.9	66
67		187.9	199.5	207.0	212.1	216.5	219.1	221.0	222.7	222.9	225.1	225.1	67
68		188.0	199.7	207.2	212.3	216.7	219.3	221.2	222.9	223.1	225.3	225.3	68
69		188.2	199.9	207.3	212.5	216.8	219.4	221.4	223.1	223.3	225.5	225.5	69
70		188.4	200.1	207.5	212.6	217.0	219.6	221.6	223.3	223.6	225.7	225.7	70
71		188.6	200.2	207.7	212.8	217.2	219.8	221.8	223.5	223.8	225.9	225.9	71
72		188.8	200.4	207.9	212.9	217.3	219.9	222.0	223.7	224.0	226.1	226.1	72
73		189.0	200.6	208.0	213.1	217.5	220.1	222.2	223.9	224.2	226.3	226.3	73
74		189.2	200.8	208.2	213.3	217.7	220.3	222.4	224.1	224.4	226.5	226.5	74
75		189.4	201.0	208.4	213.4	217.9	220.5	222.6	224.3	224.7	226.7	226.7	75
76		189.6	201.2	208.6	213.6	218.0	220.7	222.8	224.5	224.9	226.9	226.9	76
77		189.8	201.4	208.8	213.8	218.2	220.9	223.0	224.7	225.1	227.2	227.2	77
78		190.1	201.6	209.0	214.0	218.4	221.1	223.2	225.0	225.4	227.4	227.4	78
79		190.3	201.8	209.2	214.2	218.6	221.3	223.4	225.2	225.6	227.6	227.6	79
80		190.5	202.0	209.4	214.4	218.8	221.5	223.7	225.4	225.9	227.9	227.9	80
81		190.8	202.2	209.6	214.6	219.0	221.7	223.9	225.7	226.1	228.1	228.1	81
82		191.0	202.5	209.8	214.8	219.3	221.9	224.2	225.9	226.4	228.4	228.4	82
83		191.3	202.7	210.0	215.0	219.5	222.1	224.4	226.2	226.7	228.6	228.6	83
84		191.5	203.0	210.3	215.2	219.7	222.4	224.7	226.5	227.0	228.9	228.9	84
85		191.8	203.2	210.5	215.5	220.0	222.6	225.0	226.8	227.3	229.2	229.2	85
86		192.1	203.5	210.8	215.7	220.2	222.9	225.3	227.1	227.6	229.5	229.5	86
87		192.4	203.8	211.1	216.0	220.5	223.1	225.6	227.4	228.0	229.8	229.8	87
88		192.7	204.1	211.3	216.2	220.8	223.4	225.9	227.7	228.3	230.1	230.1	88
89		193.1	204.4	211.7	216.5	221.1	223.7	226.2	228.1	228.7	230.5	230.5	89
90		193.4	204.7	212.0	216.8	221.4	224.0	226.6	228.4	229.1	230.9	230.9	90
91		193.8	205.1	212.3	217.2	221.7	224.4	227.0	228.8	229.5	231.3	231.3	91
92		194.3	205.5	212.7	217.5	222.1	224.8	227.4	229.3	230.0	231.7	231.7	92
93		194.7	205.9	213.1	217.9	222.5	225.2	227.9	229.8	230.5	232.2	232.2	93
94		195.2	206.4	213.6	218.3	223.0	225.7	228.4	230.3	231.1	232.7	232.7	94
95		195.8	207.0	214.1	218.8	223.5	226.2	229.0	230.9	231.8	233.3	233.3	95
96		196.5	207.6	214.7	219.4	224.1	226.8	229.7	231.6	232.5	234.1	234.1	96
97		197.4	208.4	215.5	220.2	224.9	227.6	230.6	232.5	233.5	235.0	235.0	97
98		198.6	209.5	216.5	221.1	225.9	228.6	231.8	233.7	234.7	236.1	236.1	98
99		200.4	211.2	218.1	222.6	227.4	230.2	233.6	235.5	236.7	238.0	238.0	99

Table C.2.9: Spring Language Usage School Achievement Percentiles

Pct	K	Grade										Pct
		1	2	3	4	5	6	7	8	9	10	
1		173.8	185.5	192.9	198.4	201.5	203.6	203.1	204.1	202.6	205.7	1
2		175.6	187.2	194.5	199.9	203.1	205.2	204.9	206.0	204.7	207.6	2
3		176.8	188.3	195.6	200.9	204.1	206.2	206.1	207.2	206.0	208.8	3
4		177.7	189.1	196.3	201.6	204.9	207.0	207.0	208.1	207.0	209.8	4
5		178.4	189.7	197.0	202.2	205.5	207.7	207.8	208.9	207.8	210.5	5
6		179.0	190.3	197.5	202.7	206.1	208.2	208.4	209.5	208.5	211.1	6
7		179.6	190.8	198.0	203.1	206.5	208.7	208.9	210.1	209.0	211.7	7
8		180.1	191.2	198.4	203.5	206.9	209.1	209.4	210.6	209.6	212.2	8
9		180.5	191.6	198.8	203.9	207.3	209.5	209.8	211.0	210.1	212.7	9
10		180.9	192.0	199.1	204.2	207.7	209.9	210.2	211.4	210.5	213.1	10
11		181.3	192.3	199.4	204.6	208.0	210.2	210.6	211.8	210.9	213.5	11
12		181.6	192.7	199.7	204.8	208.3	210.5	211.0	212.2	211.3	213.8	12
13		182.0	193.0	200.0	205.1	208.6	210.8	211.3	212.5	211.7	214.2	13
14		182.3	193.2	200.3	205.4	208.9	211.1	211.6	212.8	212.0	214.5	14
15		182.6	193.5	200.6	205.6	209.1	211.3	211.9	213.1	212.3	214.8	15
16		182.9	193.8	200.8	205.9	209.4	211.6	212.2	213.4	212.7	215.1	16
17		183.2	194.0	201.0	206.1	209.6	211.8	212.5	213.7	213.0	215.4	17
18		183.4	194.3	201.3	206.3	209.8	212.1	212.8	214.0	213.3	215.7	18
19		183.7	194.5	201.5	206.5	210.1	212.3	213.0	214.2	213.5	215.9	19
20		183.9	194.7	201.7	206.7	210.3	212.5	213.3	214.5	213.8	216.2	20
21		184.2	195.0	201.9	206.9	210.5	212.7	213.5	214.7	214.1	216.4	21
22		184.4	195.2	202.1	207.1	210.7	212.9	213.7	215.0	214.3	216.7	22
23		184.6	195.4	202.3	207.3	210.9	213.1	214.0	215.2	214.6	216.9	23
24		184.9	195.6	202.5	207.5	211.1	213.3	214.2	215.4	214.8	217.2	24
25		185.1	195.8	202.7	207.7	211.3	213.5	214.4	215.7	215.1	217.4	25
26		185.3	196.0	202.9	207.8	211.5	213.7	214.6	215.9	215.3	217.6	26
27		185.5	196.2	203.1	208.0	211.6	213.9	214.8	216.1	215.5	217.8	27
28		185.7	196.3	203.2	208.2	211.8	214.1	215.0	216.3	215.8	218.0	28
29		185.9	196.5	203.4	208.3	212.0	214.3	215.2	216.5	216.0	218.2	29
30		186.1	196.7	203.6	208.5	212.2	214.4	215.4	216.7	216.2	218.4	30
31		186.3	196.9	203.8	208.7	212.3	214.6	215.6	216.9	216.4	218.6	31
32		186.5	197.1	203.9	208.8	212.5	214.8	215.8	217.1	216.6	218.8	32
33		186.7	197.2	204.1	209.0	212.7	215.0	216.0	217.3	216.8	219.0	33
34		186.9	197.4	204.3	209.1	212.8	215.1	216.2	217.5	217.0	219.2	34
35		187.0	197.6	204.4	209.3	213.0	215.3	216.4	217.7	217.2	219.4	35
36		187.2	197.7	204.6	209.4	213.1	215.4	216.6	217.9	217.4	219.6	36
37		187.4	197.9	204.7	209.6	213.3	215.6	216.8	218.1	217.6	219.8	37
38		187.6	198.1	204.9	209.7	213.5	215.8	216.9	218.2	217.8	220.0	38
39		187.8	198.2	205.0	209.9	213.6	215.9	217.1	218.4	218.0	220.2	39
40		187.9	198.4	205.2	210.0	213.8	216.1	217.3	218.6	218.2	220.4	40
41		188.1	198.6	205.3	210.2	213.9	216.2	217.5	218.8	218.4	220.5	41
42		188.3	198.7	205.5	210.3	214.1	216.4	217.7	219.0	218.6	220.7	42
43		188.5	198.9	205.6	210.5	214.2	216.5	217.8	219.1	218.8	220.9	43
44		188.7	199.0	205.8	210.6	214.4	216.7	218.0	219.3	219.0	221.1	44
45		188.8	199.2	205.9	210.8	214.5	216.9	218.2	219.5	219.2	221.3	45
46		189.0	199.4	206.1	210.9	214.7	217.0	218.3	219.7	219.4	221.4	46
47		189.2	199.5	206.2	211.0	214.8	217.2	218.5	219.9	219.6	221.6	47
48		189.3	199.7	206.4	211.2	215.0	217.3	218.7	220.0	219.8	221.8	48
49		189.5	199.8	206.5	211.3	215.1	217.5	218.9	220.2	220.0	222.0	49

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Table C.2.9: Spring Language Usage School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50		190	200	207	212	215	218	219	220	220	222	222	50
51		189.9	200.1	206.8	211.6	215.4	217.8	219.2	220.6	220.3	222.3	222.3	51
52		190.0	200.3	207.0	211.7	215.6	217.9	219.4	220.7	220.5	222.5	222.5	52
53		190.2	200.4	207.1	211.9	215.7	218.1	219.6	220.9	220.7	222.7	222.7	53
54		190.4	200.6	207.3	212.0	215.9	218.2	219.7	221.1	220.9	222.9	222.9	54
55		190.5	200.8	207.4	212.2	216.0	218.4	219.9	221.3	221.1	223.0	223.0	55
56		190.7	200.9	207.6	212.3	216.2	218.5	220.1	221.4	221.3	223.2	223.2	56
57		190.9	201.1	207.7	212.5	216.3	218.7	220.2	221.6	221.5	223.4	223.4	57
58		191.1	201.2	207.9	212.6	216.5	218.8	220.4	221.8	221.7	223.6	223.6	58
59		191.2	201.4	208.0	212.7	216.6	219.0	220.6	222.0	221.9	223.8	223.8	59
60		191.4	201.6	208.2	212.9	216.8	219.1	220.8	222.1	222.1	224.0	224.0	60
61		191.6	201.7	208.3	213.0	216.9	219.3	221.0	222.3	222.2	224.1	224.1	61
62		191.8	201.9	208.5	213.2	217.1	219.5	221.1	222.5	222.4	224.3	224.3	62
63		192.0	202.0	208.7	213.3	217.2	219.6	221.3	222.7	222.6	224.5	224.5	63
64		192.1	202.2	208.8	213.5	217.4	219.8	221.5	222.9	222.8	224.7	224.7	64
65		192.3	202.4	209.0	213.6	217.5	219.9	221.7	223.1	223.0	224.9	224.9	65
66		192.5	202.5	209.1	213.8	217.7	220.1	221.9	223.3	223.2	225.1	225.1	66
67		192.7	202.7	209.3	213.9	217.9	220.3	222.1	223.5	223.5	225.3	225.3	67
68		192.9	202.9	209.5	214.1	218.0	220.4	222.2	223.6	223.7	225.5	225.5	68
69		193.1	203.1	209.6	214.3	218.2	220.6	222.4	223.8	223.9	225.7	225.7	69
70		193.3	203.2	209.8	214.4	218.4	220.8	222.6	224.0	224.1	225.9	225.9	70
71		193.5	203.4	210.0	214.6	218.5	221.0	222.8	224.2	224.3	226.1	226.1	71
72		193.7	203.6	210.1	214.8	218.7	221.1	223.0	224.5	224.5	226.3	226.3	72
73		193.9	203.8	210.3	214.9	218.9	221.3	223.2	224.7	224.8	226.5	226.5	73
74		194.1	204.0	210.5	215.1	219.1	221.5	223.5	224.9	225.0	226.7	226.7	74
75		194.3	204.2	210.7	215.3	219.3	221.7	223.7	225.1	225.2	226.9	226.9	75
76		194.5	204.4	210.9	215.4	219.4	221.9	223.9	225.3	225.5	227.1	227.1	76
77		194.7	204.6	211.1	215.6	219.6	222.1	224.1	225.5	225.7	227.4	227.4	77
78		195.0	204.8	211.3	215.8	219.8	222.3	224.3	225.8	226.0	227.6	227.6	78
79		195.2	205.0	211.5	216.0	220.0	222.5	224.6	226.0	226.2	227.8	227.8	79
80		195.4	205.2	211.7	216.2	220.2	222.7	224.8	226.3	226.5	228.1	228.1	80
81		195.7	205.4	211.9	216.4	220.5	222.9	225.1	226.5	226.7	228.4	228.4	81
82		195.9	205.7	212.1	216.6	220.7	223.1	225.3	226.8	227.0	228.6	228.6	82
83		196.2	205.9	212.3	216.8	220.9	223.4	225.6	227.0	227.3	228.9	228.9	83
84		196.5	206.2	212.6	217.1	221.1	223.6	225.9	227.3	227.6	229.2	229.2	84
85		196.8	206.4	212.8	217.3	221.4	223.9	226.1	227.6	227.9	229.5	229.5	85
86		197.1	206.7	213.1	217.6	221.7	224.1	226.4	227.9	228.3	229.8	229.8	86
87		197.4	207.0	213.4	217.8	221.9	224.4	226.8	228.3	228.6	230.1	230.1	87
88		197.7	207.3	213.7	218.1	222.2	224.7	227.1	228.6	229.0	230.5	230.5	88
89		198.1	207.6	214.0	218.4	222.5	225.0	227.5	229.0	229.4	230.8	230.8	89
90		198.5	208.0	214.3	218.7	222.8	225.4	227.8	229.3	229.8	231.2	231.2	90
91		198.9	208.3	214.6	219.0	223.2	225.7	228.2	229.8	230.2	231.6	231.6	91
92		199.3	208.7	215.0	219.4	223.6	226.1	228.7	230.2	230.7	232.1	232.1	92
93		199.8	209.2	215.4	219.8	224.0	226.5	229.2	230.7	231.2	232.6	232.6	93
94		200.3	209.7	215.9	220.2	224.5	227.0	229.7	231.2	231.8	233.1	233.1	94
95		200.9	210.2	216.4	220.7	225.0	227.5	230.3	231.9	232.5	233.8	233.8	95
96		201.7	210.9	217.1	221.3	225.6	228.2	231.0	232.6	233.3	234.5	234.5	96
97		202.6	211.7	217.8	222.1	226.4	229.0	231.9	233.5	234.3	235.4	235.4	97
98		203.7	212.8	218.9	223.0	227.4	230.0	233.1	234.7	235.6	236.7	236.7	98
99		205.6	214.5	220.5	224.6	229.0	231.7	235.0	236.6	237.6	238.6	238.6	99

Table C.2.10: Fall General Science School Achievement Percentiles

		Grade											
Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
1				174.8	182.7	188.4	191.7	194.8	196.8	198.5	197.8		1
2				176.3	184.1	189.8	193.2	196.3	198.4	200.2	199.6		2
3				177.2	185.0	190.6	194.1	197.2	199.4	201.2	200.7		3
4				178.0	185.6	191.3	194.8	197.9	200.2	202.0	201.6		4
5				178.5	186.2	191.8	195.4	198.5	200.8	202.6	202.3		5
6				179.0	186.6	192.3	195.9	198.9	201.3	203.2	202.9		6
7				179.4	187.0	192.7	196.3	199.4	201.8	203.6	203.5		7
8				179.8	187.4	193.1	196.7	199.7	202.2	204.1	203.9		8
9				180.2	187.7	193.4	197.0	200.1	202.5	204.4	204.4		9
10				180.5	188.0	193.7	197.4	200.4	202.9	204.8	204.8		10
11				180.8	188.3	194.0	197.7	200.7	203.2	205.1	205.1		11
12				181.1	188.6	194.2	197.9	201.0	203.5	205.4	205.5		12
13				181.3	188.8	194.5	198.2	201.2	203.8	205.7	205.8		13
14				181.6	189.1	194.7	198.5	201.5	204.0	206.0	206.1		14
15				181.8	189.3	194.9	198.7	201.7	204.3	206.3	206.4		15
16				182.1	189.5	195.2	198.9	201.9	204.5	206.5	206.7		16
17				182.3	189.7	195.4	199.1	202.1	204.8	206.7	207.0		17
18				182.5	189.9	195.6	199.4	202.3	205.0	207.0	207.2		18
19				182.7	190.1	195.8	199.6	202.5	205.2	207.2	207.5		19
20				182.9	190.3	195.9	199.8	202.7	205.4	207.4	207.7		20
21				183.1	190.5	196.1	199.9	202.9	205.6	207.6	208.0		21
22				183.3	190.6	196.3	200.1	203.1	205.8	207.8	208.2		22
23				183.5	190.8	196.5	200.3	203.3	206.0	208.0	208.4		23
24				183.6	191.0	196.6	200.5	203.4	206.2	208.2	208.6		24
25				183.8	191.1	196.8	200.7	203.6	206.4	208.4	208.8		25
26				184.0	191.3	197.0	200.8	203.8	206.6	208.6	209.1		26
27				184.1	191.5	197.1	201.0	203.9	206.7	208.8	209.3		27
28				184.3	191.6	197.3	201.2	204.1	206.9	209.0	209.5		28
29				184.5	191.8	197.4	201.3	204.2	207.1	209.1	209.7		29
30				184.6	191.9	197.6	201.5	204.4	207.3	209.3	209.9		30
31				184.8	192.0	197.7	201.6	204.6	207.4	209.5	210.0		31
32				184.9	192.2	197.8	201.8	204.7	207.6	209.7	210.2		32
33				185.1	192.3	198.0	201.9	204.8	207.7	209.8	210.4		33
34				185.2	192.5	198.1	202.1	205.0	207.9	210.0	210.6		34
35				185.4	192.6	198.3	202.2	205.1	208.1	210.1	210.8		35
36				185.5	192.8	198.4	202.4	205.3	208.2	210.3	211.0		36
37				185.7	192.9	198.5	202.5	205.4	208.4	210.5	211.1		37
38				185.8	193.0	198.7	202.7	205.6	208.5	210.6	211.3		38
39				186.0	193.2	198.8	202.8	205.7	208.7	210.8	211.5		39
40				186.1	193.3	198.9	202.9	205.8	208.8	210.9	211.7		40
41				186.2	193.4	199.1	203.1	206.0	209.0	211.1	211.8		41
42				186.4	193.6	199.2	203.2	206.1	209.1	211.2	212.0		42
43				186.5	193.7	199.3	203.4	206.2	209.3	211.4	212.2		43
44				186.7	193.8	199.5	203.5	206.4	209.4	211.5	212.4		44
45				186.8	193.9	199.6	203.6	206.5	209.6	211.7	212.5		45
46				186.9	194.1	199.7	203.8	206.6	209.7	211.8	212.7		46
47				187.1	194.2	199.8	203.9	206.8	209.9	212.0	212.9		47
48				187.2	194.3	200.0	204.0	206.9	210.0	212.1	213.0		48
49				187.3	194.5	200.1	204.2	207.0	210.1	212.3	213.2		49

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Table C.2.10: Fall General Science School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50				188	195	200	204	207	210	212	213		50
51				187.6	194.7	200.4	204.4	207.3	210.4	212.6	213.5		51
52				187.7	194.8	200.5	204.6	207.4	210.6	212.7	213.7		52
53				187.9	195.0	200.6	204.7	207.6	210.7	212.9	213.9		53
54				188.0	195.1	200.7	204.9	207.7	210.9	213.0	214.0		54
55				188.2	195.2	200.9	205.0	207.8	211.0	213.2	214.2		55
56				188.3	195.4	201.0	205.1	208.0	211.2	213.4	214.4		56
57				188.4	195.5	201.1	205.3	208.1	211.3	213.5	214.6		57
58				188.6	195.6	201.3	205.4	208.3	211.5	213.7	214.7		58
59				188.7	195.7	201.4	205.5	208.4	211.6	213.8	214.9		59
60				188.9	195.9	201.5	205.7	208.5	211.8	214.0	215.1		60
61				189.0	196.0	201.7	205.8	208.7	211.9	214.1	215.2		61
62				189.1	196.1	201.8	206.0	208.8	212.1	214.3	215.4		62
63				189.3	196.3	201.9	206.1	208.9	212.2	214.4	215.6		63
64				189.4	196.4	202.1	206.2	209.1	212.4	214.6	215.8		64
65				189.6	196.6	202.2	206.4	209.2	212.5	214.8	216.0		65
66				189.7	196.7	202.3	206.5	209.4	212.7	214.9	216.1		66
67				189.9	196.8	202.5	206.7	209.5	212.8	215.1	216.3		67
68				190.0	197.0	202.6	206.8	209.7	213.0	215.2	216.5		68
69				190.2	197.1	202.8	207.0	209.8	213.2	215.4	216.7		69
70				190.3	197.3	202.9	207.1	210.0	213.3	215.6	216.9		70
71				190.5	197.4	203.1	207.3	210.1	213.5	215.8	217.1		71
72				190.6	197.6	203.2	207.5	210.3	213.7	215.9	217.3		72
73				190.8	197.7	203.4	207.6	210.4	213.8	216.1	217.5		73
74				191.0	197.9	203.5	207.8	210.6	214.0	216.3	217.7		74
75				191.1	198.0	203.7	208.0	210.8	214.2	216.5	217.9		75
76				191.3	198.2	203.8	208.1	210.9	214.4	216.7	218.1		76
77				191.5	198.4	204.0	208.3	211.1	214.6	216.9	218.3		77
78				191.7	198.5	204.2	208.5	211.3	214.8	217.1	218.6		78
79				191.9	198.7	204.3	208.7	211.5	215.0	217.3	218.8		79
80				192.1	198.9	204.5	208.9	211.6	215.2	217.5	219.0		80
81				192.3	199.1	204.7	209.1	211.8	215.4	217.7	219.3		81
82				192.5	199.3	204.9	209.3	212.0	215.6	217.9	219.5		82
83				192.7	199.5	205.1	209.5	212.2	215.8	218.2	219.8		83
84				192.9	199.7	205.3	209.7	212.5	216.0	218.4	220.0		84
85				193.1	199.9	205.5	209.9	212.7	216.3	218.6	220.3		85
86				193.4	200.1	205.7	210.2	212.9	216.5	218.9	220.6		86
87				193.6	200.3	206.0	210.4	213.2	216.8	219.2	220.9		87
88				193.9	200.6	206.2	210.7	213.4	217.1	219.5	221.3		88
89				194.1	200.9	206.5	210.9	213.7	217.4	219.8	221.6		89
90				194.4	201.1	206.8	211.2	214.0	217.7	220.1	222.0		90
91				194.8	201.4	207.1	211.6	214.3	218.0	220.5	222.4		91
92				195.1	201.8	207.4	211.9	214.6	218.4	220.8	222.8		92
93				195.5	202.1	207.8	212.3	215.0	218.8	221.3	223.3		93
94				195.9	202.5	208.2	212.7	215.4	219.3	221.7	223.8		94
95				196.4	203.0	208.6	213.2	215.9	219.8	222.3	224.4		95
96				197.0	203.5	209.2	213.8	216.5	220.4	222.9	225.1		96
97				197.7	204.2	209.8	214.5	217.2	221.2	223.7	226.0		97
98				198.6	205.1	210.7	215.4	218.1	222.2	224.7	227.2		98
99				200.1	206.5	212.1	216.9	219.5	223.7	226.4	229.0		99

Table C.2.11: Winter General Science School Achievement Percentiles

Pct	Grade											Pct	
	K	1	2	3	4	5	6	7	8	9	10		11
1				180.2	186.7	191.7	194.2	196.8	198.8	199.9	198.6		1
2				181.7	188.1	193.1	195.7	198.3	200.4	201.5	200.4		2
3				182.6	189.0	194.0	196.7	199.3	201.4	202.6	201.6		3
4				183.3	189.7	194.7	197.4	200.0	202.1	203.4	202.5		4
5				183.8	190.2	195.2	198.0	200.5	202.7	204.0	203.2		5
6				184.3	190.7	195.7	198.5	201.0	203.3	204.5	203.8		6
7				184.7	191.1	196.1	198.9	201.5	203.7	205.0	204.4		7
8				185.1	191.5	196.5	199.3	201.8	204.1	205.4	204.9		8
9				185.5	191.8	196.8	199.7	202.2	204.5	205.8	205.3		9
10				185.8	192.1	197.1	200.0	202.5	204.9	206.2	205.7		10
11				186.1	192.4	197.4	200.3	202.8	205.2	206.5	206.1		11
12				186.3	192.7	197.6	200.6	203.1	205.5	206.8	206.4		12
13				186.6	192.9	197.9	200.9	203.4	205.8	207.1	206.8		13
14				186.8	193.2	198.1	201.1	203.6	206.0	207.4	207.1		14
15				187.1	193.4	198.4	201.3	203.8	206.3	207.7	207.4		15
16				187.3	193.6	198.6	201.6	204.1	206.5	207.9	207.7		16
17				187.5	193.8	198.8	201.8	204.3	206.8	208.2	207.9		17
18				187.7	194.0	199.0	202.0	204.5	207.0	208.4	208.2		18
19				187.9	194.2	199.2	202.2	204.7	207.2	208.6	208.5		19
20				188.1	194.4	199.4	202.4	204.9	207.4	208.8	208.7		20
21				188.3	194.6	199.5	202.6	205.1	207.6	209.0	209.0		21
22				188.5	194.7	199.7	202.8	205.3	207.8	209.2	209.2		22
23				188.6	194.9	199.9	203.0	205.5	208.0	209.4	209.4		23
24				188.8	195.1	200.1	203.2	205.6	208.2	209.6	209.6		24
25				189.0	195.3	200.2	203.3	205.8	208.4	209.8	209.9		25
26				189.1	195.4	200.4	203.5	206.0	208.6	210.0	210.1		26
27				189.3	195.6	200.5	203.7	206.1	208.7	210.2	210.3		27
28				189.5	195.7	200.7	203.8	206.3	208.9	210.4	210.5		28
29				189.6	195.9	200.8	204.0	206.5	209.1	210.6	210.7		29
30				189.8	196.0	201.0	204.2	206.6	209.2	210.7	210.9		30
31				189.9	196.2	201.1	204.3	206.8	209.4	210.9	211.1		31
32				190.1	196.3	201.3	204.5	206.9	209.6	211.1	211.3		32
33				190.2	196.5	201.4	204.6	207.1	209.7	211.2	211.5		33
34				190.4	196.6	201.6	204.8	207.2	209.9	211.4	211.6		34
35				190.5	196.7	201.7	204.9	207.4	210.0	211.6	211.8		35
36				190.7	196.9	201.8	205.1	207.5	210.2	211.7	212.0		36
37				190.8	197.0	202.0	205.2	207.7	210.4	211.9	212.2		37
38				190.9	197.2	202.1	205.4	207.8	210.5	212.1	212.4		38
39				191.1	197.3	202.2	205.5	208.0	210.7	212.2	212.6		39
40				191.2	197.4	202.4	205.7	208.1	210.8	212.4	212.7		40
41				191.4	197.6	202.5	205.8	208.2	211.0	212.5	212.9		41
42				191.5	197.7	202.6	205.9	208.4	211.1	212.7	213.1		42
43				191.6	197.8	202.8	206.1	208.5	211.3	212.8	213.3		43
44				191.8	198.0	202.9	206.2	208.7	211.4	213.0	213.4		44
45				191.9	198.1	203.0	206.4	208.8	211.6	213.1	213.6		45
46				192.0	198.2	203.2	206.5	208.9	211.7	213.3	213.8		46
47				192.2	198.3	203.3	206.6	209.1	211.8	213.4	213.9		47
48				192.3	198.5	203.4	206.8	209.2	212.0	213.6	214.1		48
49				192.4	198.6	203.6	206.9	209.3	212.1	213.7	214.3		49

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Table C.2.11: Winter General Science School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50				193	199	204	207	210	212	214	215		50
51				192.7	198.9	203.8	207.2	209.6	212.4	214.0	214.6		51
52				192.8	199.0	203.9	207.3	209.7	212.6	214.2	214.8		52
53				193.0	199.1	204.1	207.5	209.9	212.7	214.3	215.0		53
54				193.1	199.2	204.2	207.6	210.0	212.9	214.5	215.1		54
55				193.2	199.4	204.3	207.8	210.2	213.0	214.6	215.3		55
56				193.4	199.5	204.5	207.9	210.3	213.2	214.8	215.5		56
57				193.5	199.6	204.6	208.0	210.4	213.3	214.9	215.7		57
58				193.6	199.8	204.7	208.2	210.6	213.5	215.1	215.8		58
59				193.8	199.9	204.9	208.3	210.7	213.6	215.3	216.0		59
60				193.9	200.0	205.0	208.5	210.8	213.8	215.4	216.2		60
61				194.0	200.2	205.1	208.6	211.0	213.9	215.6	216.4		61
62				194.2	200.3	205.3	208.7	211.1	214.1	215.7	216.6		62
63				194.3	200.4	205.4	208.9	211.3	214.2	215.9	216.7		63
64				194.5	200.6	205.5	209.0	211.4	214.4	216.0	216.9		64
65				194.6	200.7	205.7	209.2	211.6	214.5	216.2	217.1		65
66				194.7	200.9	205.8	209.3	211.7	214.7	216.4	217.3		66
67				194.9	201.0	205.9	209.5	211.9	214.8	216.5	217.5		67
68				195.0	201.1	206.1	209.6	212.0	215.0	216.7	217.7		68
69				195.2	201.3	206.2	209.8	212.2	215.2	216.9	217.9		69
70				195.3	201.4	206.4	210.0	212.3	215.3	217.0	218.0		70
71				195.5	201.6	206.5	210.1	212.5	215.5	217.2	218.2		71
72				195.6	201.7	206.7	210.3	212.6	215.7	217.4	218.4		72
73				195.8	201.9	206.8	210.4	212.8	215.8	217.6	218.7		73
74				196.0	202.0	207.0	210.6	213.0	216.0	217.8	218.9		74
75				196.1	202.2	207.2	210.8	213.1	216.2	217.9	219.1		75
76				196.3	202.4	207.3	211.0	213.3	216.4	218.1	219.3		76
77				196.5	202.5	207.5	211.1	213.5	216.6	218.3	219.5		77
78				196.6	202.7	207.7	211.3	213.7	216.8	218.5	219.7		78
79				196.8	202.9	207.8	211.5	213.8	217.0	218.7	220.0		79
80				197.0	203.1	208.0	211.7	214.0	217.2	218.9	220.2		80
81				197.2	203.3	208.2	211.9	214.2	217.4	219.2	220.5		81
82				197.4	203.4	208.4	212.1	214.4	217.6	219.4	220.7		82
83				197.6	203.6	208.6	212.3	214.7	217.8	219.6	221.0		83
84				197.8	203.9	208.8	212.5	214.9	218.1	219.9	221.3		84
85				198.0	204.1	209.0	212.8	215.1	218.3	220.1	221.5		85
86				198.3	204.3	209.2	213.0	215.3	218.6	220.4	221.8		86
87				198.5	204.5	209.5	213.3	215.6	218.8	220.7	222.2		87
88				198.8	204.8	209.7	213.5	215.8	219.1	221.0	222.5		88
89				199.1	205.1	210.0	213.8	216.1	219.4	221.3	222.8		89
90				199.3	205.3	210.3	214.1	216.4	219.7	221.6	223.2		90
91				199.7	205.6	210.6	214.4	216.7	220.1	221.9	223.6		91
92				200.0	206.0	210.9	214.8	217.1	220.4	222.3	224.1		92
93				200.4	206.3	211.3	215.2	217.5	220.8	222.8	224.5		93
94				200.8	206.7	211.7	215.6	217.9	221.3	223.2	225.1		94
95				201.3	207.2	212.1	216.1	218.4	221.8	223.8	225.7		95
96				201.8	207.8	212.7	216.7	219.0	222.4	224.4	226.4		96
97				202.5	208.4	213.4	217.4	219.7	223.2	225.2	227.3		97
98				203.4	209.3	214.2	218.4	220.6	224.2	226.2	228.5		98
99				204.9	210.7	215.6	219.9	222.1	225.8	227.9	230.4		99

Table C.2.12: Spring General Science School Achievement Percentiles

		Grade											
Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
1				182.9	188.6	193.4	195.4	197.8	199.8	200.6	198.7		1
2				184.4	190.0	194.8	197.0	199.4	201.4	202.3	200.6		2
3				185.3	191.0	195.7	198.0	200.3	202.4	203.3	201.8		3
4				186.0	191.7	196.4	198.7	201.1	203.2	204.1	202.7		4
5				186.6	192.2	197.0	199.3	201.7	203.8	204.8	203.5		5
6				187.1	192.7	197.5	199.8	202.2	204.3	205.3	204.1		6
7				187.5	193.1	197.9	200.3	202.6	204.8	205.8	204.7		7
8				187.9	193.5	198.3	200.7	203.0	205.2	206.3	205.2		8
9				188.2	193.8	198.6	201.0	203.4	205.6	206.6	205.6		9
10				188.5	194.2	198.9	201.4	203.7	205.9	207.0	206.0		10
11				188.8	194.5	199.2	201.7	204.0	206.3	207.3	206.4		11
12				189.1	194.7	199.5	202.0	204.3	206.6	207.7	206.8		12
13				189.4	195.0	199.7	202.3	204.6	206.9	208.0	207.1		13
14				189.6	195.2	200.0	202.5	204.8	207.1	208.2	207.5		14
15				189.9	195.5	200.2	202.8	205.1	207.4	208.5	207.8		15
16				190.1	195.7	200.4	203.0	205.3	207.6	208.8	208.1		16
17				190.3	195.9	200.6	203.2	205.5	207.9	209.0	208.3		17
18				190.5	196.1	200.9	203.5	205.7	208.1	209.2	208.6		18
19				190.7	196.3	201.1	203.7	205.9	208.3	209.5	208.9		19
20				190.9	196.5	201.2	203.9	206.1	208.5	209.7	209.1		20
21				191.1	196.7	201.4	204.1	206.3	208.8	209.9	209.4		21
22				191.3	196.9	201.6	204.3	206.5	209.0	210.1	209.6		22
23				191.5	197.1	201.8	204.5	206.7	209.2	210.3	209.9		23
24				191.6	197.2	202.0	204.6	206.9	209.3	210.5	210.1		24
25				191.8	197.4	202.1	204.8	207.1	209.5	210.7	210.3		25
26				192.0	197.6	202.3	205.0	207.3	209.7	210.9	210.5		26
27				192.1	197.7	202.5	205.2	207.4	209.9	211.1	210.7		27
28				192.3	197.9	202.6	205.3	207.6	210.1	211.3	211.0		28
29				192.5	198.0	202.8	205.5	207.8	210.2	211.5	211.2		29
30				192.6	198.2	202.9	205.7	207.9	210.4	211.6	211.4		30
31				192.8	198.4	203.1	205.8	208.1	210.6	211.8	211.6		31
32				192.9	198.5	203.2	206.0	208.2	210.8	212.0	211.8		32
33				193.1	198.6	203.4	206.2	208.4	210.9	212.1	212.0		33
34				193.2	198.8	203.5	206.3	208.5	211.1	212.3	212.1		34
35				193.4	198.9	203.7	206.5	208.7	211.2	212.5	212.3		35
36				193.5	199.1	203.8	206.6	208.9	211.4	212.6	212.5		36
37				193.7	199.2	204.0	206.8	209.0	211.6	212.8	212.7		37
38				193.8	199.4	204.1	206.9	209.1	211.7	213.0	212.9		38
39				193.9	199.5	204.2	207.1	209.3	211.9	213.1	213.1		39
40				194.1	199.6	204.4	207.2	209.4	212.0	213.3	213.3		40
41				194.2	199.8	204.5	207.4	209.6	212.2	213.4	213.4		41
42				194.3	199.9	204.6	207.5	209.7	212.3	213.6	213.6		42
43				194.5	200.1	204.8	207.6	209.9	212.5	213.8	213.8		43
44				194.6	200.2	204.9	207.8	210.0	212.6	213.9	214.0		44
45				194.8	200.3	205.1	207.9	210.2	212.8	214.1	214.2		45
46				194.9	200.5	205.2	208.1	210.3	212.9	214.2	214.3		46
47				195.0	200.6	205.3	208.2	210.4	213.1	214.4	214.5		47
48				195.2	200.7	205.5	208.4	210.6	213.2	214.5	214.7		48
49				195.3	200.9	205.6	208.5	210.7	213.4	214.7	214.9		49

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Table C.2.12: Spring General Science School Achievement Percentiles , *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	Pct
50				195	201	206	209	211	214	215	215		50
51				195.6	201.1	205.9	208.8	211.0	213.7	215.0	215.2		51
52				195.7	201.3	206.0	208.9	211.1	213.8	215.1	215.4		52
53				195.8	201.4	206.1	209.1	211.3	214.0	215.3	215.6		53
54				196.0	201.5	206.3	209.2	211.4	214.1	215.4	215.8		54
55				196.1	201.7	206.4	209.4	211.6	214.3	215.6	215.9		55
56				196.2	201.8	206.5	209.5	211.7	214.4	215.8	216.1		56
57				196.4	201.9	206.7	209.6	211.8	214.6	215.9	216.3		57
58				196.5	202.1	206.8	209.8	212.0	214.7	216.1	216.5		58
59				196.7	202.2	206.9	209.9	212.1	214.9	216.2	216.6		59
60				196.8	202.3	207.1	210.1	212.3	215.0	216.4	216.8		60
61				196.9	202.5	207.2	210.2	212.4	215.2	216.5	217.0		61
62				197.1	202.6	207.3	210.4	212.6	215.3	216.7	217.2		62
63				197.2	202.8	207.5	210.5	212.7	215.5	216.9	217.4		63
64				197.4	202.9	207.6	210.7	212.9	215.6	217.0	217.6		64
65				197.5	203.1	207.8	210.8	213.0	215.8	217.2	217.8		65
66				197.7	203.2	207.9	211.0	213.2	216.0	217.3	217.9		66
67				197.8	203.3	208.1	211.1	213.3	216.1	217.5	218.1		67
68				197.9	203.5	208.2	211.3	213.5	216.3	217.7	218.3		68
69				198.1	203.6	208.4	211.5	213.6	216.5	217.9	218.5		69
70				198.3	203.8	208.5	211.6	213.8	216.6	218.0	218.7		70
71				198.4	203.9	208.7	211.8	214.0	216.8	218.2	218.9		71
72				198.6	204.1	208.8	212.0	214.1	217.0	218.4	219.1		72
73				198.7	204.3	209.0	212.1	214.3	217.2	218.6	219.4		73
74				198.9	204.4	209.1	212.3	214.5	217.3	218.8	219.6		74
75				199.1	204.6	209.3	212.5	214.6	217.5	218.9	219.8		75
76				199.2	204.8	209.5	212.7	214.8	217.7	219.1	220.0		76
77				199.4	204.9	209.7	212.8	215.0	217.9	219.3	220.2		77
78				199.6	205.1	209.8	213.0	215.2	218.1	219.5	220.5		78
79				199.8	205.3	210.0	213.2	215.4	218.3	219.8	220.7		79
80				200.0	205.5	210.2	213.4	215.6	218.5	220.0	221.0		80
81				200.2	205.7	210.4	213.6	215.8	218.7	220.2	221.2		81
82				200.4	205.9	210.6	213.8	216.0	218.9	220.4	221.5		82
83				200.6	206.1	210.8	214.1	216.2	219.2	220.7	221.7		83
84				200.8	206.3	211.0	214.3	216.4	219.4	220.9	222.0		84
85				201.0	206.5	211.2	214.5	216.7	219.7	221.2	222.3		85
86				201.2	206.8	211.5	214.8	216.9	219.9	221.4	222.6		86
87				201.5	207.0	211.7	215.0	217.2	220.2	221.7	223.0		87
88				201.7	207.3	212.0	215.3	217.4	220.5	222.0	223.3		88
89				202.0	207.5	212.2	215.6	217.7	220.8	222.3	223.7		89
90				202.3	207.8	212.5	215.9	218.0	221.1	222.7	224.0		90
91				202.6	208.1	212.9	216.3	218.4	221.5	223.0	224.5		91
92				203.0	208.5	213.2	216.6	218.7	221.8	223.4	224.9		92
93				203.4	208.9	213.6	217.0	219.1	222.3	223.8	225.4		93
94				203.8	209.3	214.0	217.5	219.6	222.7	224.3	226.0		94
95				204.3	209.8	214.5	218.0	220.1	223.3	224.9	226.6		95
96				204.8	210.3	215.0	218.6	220.7	223.9	225.5	227.3		96
97				205.5	211.0	215.7	219.3	221.4	224.7	226.3	228.3		97
98				206.5	211.9	216.6	220.3	222.4	225.7	227.4	229.5		98
99				207.9	213.4	218.1	221.9	223.9	227.3	229.0	231.4		99

Appendix D - Student and School Conditional Growth Distributions

This appendix provides 11 multi-part tables for each content area (mathematics, reading, language usage, and general science). Each table in a content area presents conditional term-to-term growth distributions for one grade level (K-10). The term-to-term combinations that make up the parts of each table are: Last Winter to Winter; Last Spring to Spring; Fall to Winter, Spring, and Next Fall; and Winter to Spring, respectively. (Since there is no grade prior to kindergarten, only four tables are provided for grade K.) These tables allow the distribution of growth for students to be readily compared to the corresponding distribution of growth for schools.

To use these tables, first find the table that corresponds to the content area-grade level combination of interest, and the panel (a, b, c, or d) in that table that provides the term-to-term growth comparison of interest. Determine if the growth norms of interest are for students (left sub-panel) or for schools (right sub-panel). In the RIT column of that sub-panel, find the beginning term RIT value that is closest to the one of interest. Move to the right to find the mean growth to the second term in the comparison.

For example, if we wanted to find the fall-to-spring mathematics growth for a starting fall RIT of 180 for grade 2 students, we would find TableD.1.3 (Mathematics Grade 2, Conditional Growth Distributions), panel C (starting term fall), left sub-panel (students). We would see that a RIT of 180 is roughly at the 60th percentile, and the fall-to-spring growth for students is 14.81. In addition, we see in the top row of the left sub-panel of panel C, that the standard deviation for this growth is 6.93. If we were further interested in comparing this growth to that for schools where grade 2 students had a mean starting fall RIT of 180 in mathematics, we would find the closest value to 180 in the RIT Fall column of the right sub-panel (schools). The closest value is 179.95. Moving from that value to the spring column, we find the fall-spring growth to be 15.17 with a standard deviation (from the top row of the right sub-panel) of 2.66. We would also observe that a starting RIT of 180 for schools is associated with the 70th percentile.

Appendix D.1 - Mathematics

Table D.1.1: Mathematics Grade K Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.15</i>	<i>6.88</i>	<i>8.23</i>	<i>SD</i>	<i>1.60</i>	<i>2.80</i>	<i>3.59</i>
10	120.75	14.12	23.23	29.12	131.03	12.39	20.78	26.19
20	127.37	13.20	21.81	27.37	134.13	12.06	20.21	25.44
25	129.89	12.85	21.28	26.70	135.30	11.94	19.99	25.16
30	132.15	12.53	20.79	26.11	136.36	11.82	19.79	24.91
35	134.24	12.24	20.34	25.55	137.33	11.72	19.61	24.67
40	136.23	11.96	19.92	25.03	138.26	11.62	19.43	24.45
45	138.15	11.69	19.51	24.52	139.16	11.53	19.27	24.24
48	139.29	11.54	19.26	24.22	139.69	11.47	19.17	24.11
50	140.04	11.43	19.10	24.02	140.04	11.43	19.10	24.02
52	140.80	11.33	18.94	23.82	140.40	11.39	19.04	23.94
55	141.94	11.17	18.70	23.52	140.93	11.34	18.94	23.81
60	143.86	10.90	18.28	23.02	141.82	11.24	18.77	23.60
65	145.85	10.62	17.86	22.49	142.75	11.14	18.60	23.37
70	147.94	10.33	17.41	21.94	143.73	11.04	18.41	23.14
75	150.20	10.02	16.93	21.34	144.79	10.92	18.22	22.89
80	152.72	9.67	16.39	20.68	145.96	10.80	18.00	22.60
85	155.65	9.26	15.76	19.91	147.33	10.65	17.74	22.27
90	159.34	8.74	14.97	18.93	149.05	10.47	17.42	21.86

Start %ile	RIT	Student Growth			RIT	School Growth		
	Winter	Winter	Spring	N Fall	Winter	Winter	Spring	N Fall
	<i>SD</i>		<i>4.89</i>		<i>SD</i>		<i>1.30</i>	
10	133.60		9.16		143.17		7.99	
20	139.74		8.65		146.02		7.88	
25	142.07		8.45		147.10		7.84	
30	144.16		8.28		148.08		7.80	
35	146.10		8.12		148.98		7.77	
40	147.94		7.96		149.83		7.73	
45	149.72		7.82		150.66		7.70	
48	150.78		7.73		151.15		7.68	
50	151.47		7.67		151.47		7.67	
52	152.17		7.61		151.80		7.66	
55	153.23		7.52		152.29		7.64	
60	155.01		7.37		153.12		7.61	
65	156.85		7.22		153.97		7.57	
70	158.79		7.06		154.87		7.54	
75	160.88		6.88		155.85		7.50	
80	163.21		6.69		156.93		7.46	
85	165.93		6.46		158.19		7.41	
90	169.35		6.18		159.78		7.35	

Table D.1.2: Mathematics Grade 1 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.17</i>			<i>SD</i>	<i>2.60</i>		
10	132.83	26.41			142.62	24.46		
20	139.18	25.07			145.61	23.79		
25	141.60	24.56			146.75	23.53		
30	143.77	24.11			147.77	23.31		
35	145.77	23.68			148.72	23.09		
40	147.68	23.28			149.62	22.89		
45	149.53	22.89			150.49	22.70		
48	150.62	22.66			151.00	22.58		
50	151.34	22.51			151.34	22.51		
52	152.07	22.35			151.68	22.43		
55	153.16	22.12			152.20	22.31		
60	155.00	21.73			153.06	22.12		
65	156.91	21.33			153.96	21.92		
70	158.92	20.91			154.91	21.71		
75	161.08	20.45			155.93	21.48		
80	163.50	19.94			157.07	21.22		
85	166.31	19.35			158.39	20.93		
90	169.85	18.60			160.06	20.55		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.59</i>			<i>SD</i>	<i>2.91</i>		
10	139.17	26.35			149.79	23.84		
20	146.19	24.58			153.17	22.93		
25	148.86	23.91			154.45	22.59		
30	151.25	23.30			155.60	22.28		
35	153.47	22.74			156.66	21.99		
40	155.58	22.21			157.68	21.72		
45	157.61	21.70			158.66	21.45		
48	158.82	21.40			159.23	21.30		
50	159.62	21.19			159.62	21.19		
52	160.42	20.99			160.00	21.09		
55	161.62	20.69			160.58	20.94		
60	163.66	20.18			161.56	20.67		
65	165.77	19.65			162.57	20.40		
70	167.99	19.09			163.64	20.11		
75	170.38	18.48			164.79	19.80		
80	173.05	17.81			166.07	19.46		
85	176.16	17.03			167.57	19.06		
90	180.07	16.04			169.45	18.55		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.39</i>	<i>7.32</i>	<i>8.02</i>	<i>SD</i>	<i>1.71</i>	<i>2.98</i>	<i>3.34</i>
10	145.93	12.82	20.15	16.21	155.08	11.55	18.60	15.13
20	151.59	12.34	19.55	15.66	157.60	11.51	18.53	14.94

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Mathematics Grade 1 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	153.74	12.16	19.32	15.44	158.55	11.49	18.51	14.87
30	155.67	12.00	19.12	15.25	159.41	11.48	18.48	14.81
35	157.46	11.85	18.93	15.08	160.21	11.47	18.46	14.75
40	159.16	11.71	18.75	14.91	160.96	11.45	18.44	14.69
45	160.80	11.57	18.57	14.75	161.70	11.44	18.42	14.64
48	161.77	11.49	18.47	14.65	162.13	11.44	18.41	14.61
50	162.42	11.43	18.40	14.59	162.42	11.43	18.40	14.59
52	163.06	11.38	18.33	14.52	162.70	11.43	18.39	14.56
55	164.03	11.30	18.23	14.43	163.13	11.42	18.38	14.53
60	165.68	11.16	18.05	14.26	163.87	11.41	18.36	14.48
65	167.37	11.01	17.87	14.10	164.62	11.40	18.34	14.42
70	169.16	10.86	17.68	13.92	165.42	11.38	18.31	14.36
75	171.09	10.70	17.48	13.73	166.28	11.37	18.29	14.30
80	173.24	10.52	17.25	13.52	167.23	11.35	18.26	14.23
85	175.75	10.31	16.98	13.27	168.35	11.34	18.23	14.15
90	178.91	10.05	16.65	12.96	169.75	11.31	18.19	14.04

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>4.98</i>		<i>SD</i>		<i>1.24</i>	
10	157.24		7.31		166.30		6.58	
20	162.94		7.20		168.89		6.71	
25	165.11		7.15		169.88		6.76	
30	167.05		7.11		170.76		6.81	
35	168.85		7.07		171.58		6.85	
40	170.56		7.04		172.36		6.89	
45	172.22		7.00		173.11		6.93	
48	173.20		6.98		173.55		6.95	
50	173.85		6.97		173.85		6.97	
52	174.50		6.95		174.14		6.98	
55	175.48		6.93		174.59		7.01	
60	177.13		6.90		175.34		7.04	
65	178.84		6.86		176.12		7.08	
70	180.64		6.82		176.93		7.13	
75	182.59		6.78		177.82		7.17	
80	184.75		6.74		178.80		7.22	
85	187.28		6.69		179.95		7.28	
90	190.46		6.62		181.39		7.36	

Table D.1.3: Mathematics Grade 2 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>5.88</i>			<i>SD</i>	<i>2.27</i>		
10	154.47	16.91			164.35	14.96		
20	160.76	15.78			167.25	14.49		
25	163.15	15.35			168.35	14.32		
30	165.29	14.96			169.34	14.16		
35	167.28	14.60			170.25	14.01		
40	169.17	14.26			171.12	13.87		
45	170.99	13.93			171.96	13.74		
48	172.07	13.73			172.46	13.66		
50	172.79	13.60			172.79	13.60		
52	173.51	13.47			173.12	13.55		
55	174.59	13.28			173.62	13.47		
60	176.41	12.95			174.46	13.33		
65	178.30	12.61			175.33	13.19		
70	180.29	12.25			176.24	13.05		
75	182.43	11.86			177.23	12.89		
80	184.82	11.43			178.33	12.71		
85	187.61	10.92			179.62	12.50		
90	191.11	10.29			181.23	12.25		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>6.51</i>			<i>SD</i>	<i>2.76</i>		
10	159.83		17.06		169.88		14.93	
20	166.56		15.56		173.16		14.16	
25	169.11		14.99		174.40		13.86	
30	171.41		14.47		175.52		13.60	
35	173.53		14.00		176.56		13.36	
40	175.55		13.55		177.54		13.13	
45	177.50		13.11		178.49		12.90	
48	178.66		12.86		179.05		12.77	
50	179.42		12.68		179.42		12.68	
52	180.19		12.51		179.80		12.60	
55	181.35		12.26		180.36		12.46	
60	183.30		11.82		181.31		12.24	
65	185.32		11.37		182.29		12.01	
70	187.44		10.89		183.33		11.77	
75	189.74		10.38		184.45		11.50	
80	192.29		9.81		185.69		11.21	
85	195.27		9.15		187.14		10.87	
90	199.02		8.31		188.97		10.44	

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.21</i>	<i>6.93</i>	<i>6.91</i>	<i>SD</i>	<i>1.52</i>	<i>2.66</i>	<i>2.40</i>
10	159.95	11.03	17.25	14.97	169.43	9.56	15.32	13.36
20	165.77	10.50	16.55	14.37	171.99	9.54	15.28	13.32

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Mathematics Grade 2 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	167.98	10.30	16.28	14.15	172.97	9.53	15.27	13.30
30	169.96	10.12	16.04	13.94	173.84	9.52	15.26	13.29
35	171.80	9.96	15.82	13.76	174.65	9.51	15.24	13.27
40	173.55	9.80	15.61	13.58	175.42	9.51	15.23	13.26
45	175.23	9.65	15.41	13.40	176.16	9.50	15.22	13.25
48	176.23	9.56	15.29	13.30	176.60	9.50	15.22	13.24
50	176.90	9.50	15.21	13.23	176.90	9.50	15.21	13.23
52	177.56	9.44	15.13	13.17	177.19	9.49	15.21	13.23
55	178.56	9.35	15.01	13.06	177.63	9.49	15.20	13.22
60	180.25	9.19	14.81	12.89	178.37	9.48	15.19	13.21
65	181.99	9.03	14.60	12.71	179.14	9.48	15.18	13.19
70	183.83	8.87	14.38	12.52	179.95	9.47	15.17	13.18
75	185.82	8.69	14.14	12.32	180.83	9.46	15.16	13.16
80	188.03	8.49	13.88	12.09	181.80	9.46	15.14	13.15
85	190.60	8.25	13.57	11.83	182.93	9.45	15.13	13.13
90	193.84	7.96	13.18	11.50	184.36	9.43	15.11	13.10

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>4.87</i>		<i>SD</i>		<i>1.11</i>	
10	169.59		6.32		178.73		5.39	
20	175.36		6.11		181.36		5.50	
25	177.55		6.03		182.36		5.54	
30	179.52		5.96		183.26		5.58	
35	181.34		5.90		184.09		5.62	
40	183.07		5.84		184.88		5.65	
45	184.74		5.78		185.64		5.68	
48	185.73		5.74		186.09		5.70	
50	186.39		5.72		186.39		5.72	
52	187.05		5.69		186.69		5.73	
55	188.04		5.66		187.14		5.75	
60	189.71		5.60		187.91		5.78	
65	191.44		5.54		188.69		5.82	
70	193.27		5.47		189.53		5.85	
75	195.23		5.40		190.42		5.89	
80	197.42		5.32		191.42		5.93	
85	199.98		5.23		192.59		5.98	
90	203.19		5.11		194.05		6.05	

Table D.1.4: Mathematics Grade 3 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>5.85</i>			<i>SD</i>	<i>2.09</i>		
10	169.13	13.78			178.32	12.51		
20	174.84	13.32			180.88	12.49		
25	177.01	13.15			181.85	12.48		
30	178.96	12.99			182.72	12.47		
35	180.76	12.85			183.53	12.46		
40	182.48	12.71			184.29	12.46		
45	184.13	12.57			185.03	12.45		
48	185.11	12.50			185.47	12.45		
50	185.76	12.44			185.76	12.44		
52	186.42	12.39			186.06	12.44		
55	187.40	12.31			186.49	12.44		
60	189.05	12.18			187.24	12.43		
65	190.76	12.04			188.00	12.42		
70	192.57	11.90			188.81	12.42		
75	194.52	11.74			189.68	12.41		
80	196.69	11.57			190.65	12.40		
85	199.21	11.36			191.78	12.39		
90	202.39	11.11			193.21	12.38		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>6.59</i>			<i>SD</i>	<i>2.71</i>		
10	174.14	13.71			183.53	12.35		
20	180.13	13.05			186.30	12.16		
25	182.40	12.81			187.35	12.09		
30	184.45	12.58			188.29	12.03		
35	186.34	12.38			189.17	11.97		
40	188.14	12.18			190.00	11.91		
45	189.88	11.99			190.80	11.86		
48	190.91	11.88			191.28	11.83		
50	191.59	11.81			191.59	11.81		
52	192.27	11.73			191.91	11.78		
55	193.30	11.62			192.38	11.75		
60	195.04	11.43			193.18	11.70		
65	196.84	11.23			194.01	11.64		
70	198.73	11.03			194.89	11.58		
75	200.78	10.80			195.83	11.52		
80	203.05	10.56			196.88	11.45		
85	205.71	10.27			198.11	11.37		
90	209.04	9.90			199.65	11.26		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.02</i>	<i>6.41</i>	<i>6.40</i>	<i>SD</i>	<i>1.25</i>	<i>2.19</i>	<i>1.99</i>
10	173.61	8.82	14.11	11.74	182.87	7.66	12.74	10.86
20	179.37	8.47	13.73	11.61	185.46	7.71	12.83	11.03

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Mathematics Grade 3 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	181.56	8.34	13.58	11.56	186.44	7.73	12.86	11.10
30	183.53	8.22	13.45	11.52	187.32	7.75	12.89	11.16
35	185.35	8.11	13.33	11.48	188.14	7.76	12.92	11.21
40	187.08	8.01	13.21	11.44	188.91	7.78	12.94	11.26
45	188.76	7.91	13.10	11.40	189.66	7.79	12.97	11.31
48	189.75	7.85	13.04	11.38	190.11	7.80	12.98	11.34
50	190.40	7.81	12.99	11.36	190.40	7.81	12.99	11.36
52	191.06	7.77	12.95	11.35	190.70	7.81	13.00	11.38
55	192.05	7.71	12.88	11.33	191.14	7.82	13.02	11.41
60	193.72	7.60	12.77	11.29	191.89	7.83	13.04	11.46
65	195.45	7.50	12.66	11.25	192.67	7.85	13.07	11.52
70	197.27	7.39	12.54	11.21	193.49	7.87	13.10	11.57
75	199.24	7.27	12.40	11.16	194.37	7.88	13.13	11.63
80	201.43	7.14	12.26	11.12	195.35	7.90	13.16	11.70
85	203.98	6.98	12.09	11.06	196.49	7.92	13.20	11.77
90	207.20	6.79	11.87	10.99	197.94	7.95	13.25	11.87

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		4.72		<i>SD</i>		0.90	
10	181.17		5.59		190.36		4.83	
20	187.02		5.45		193.06		4.96	
25	189.24		5.40		194.08		5.00	
30	191.24		5.35		195.00		5.04	
35	193.09		5.31		195.85		5.08	
40	194.84		5.27		196.66		5.12	
45	196.54		5.23		197.44		5.15	
48	197.54		5.20		197.90		5.17	
50	198.21		5.19		198.21		5.19	
52	198.87		5.17		198.52		5.20	
55	199.88		5.15		198.98		5.22	
60	201.58		5.11		199.76		5.26	
65	203.33		5.07		200.57		5.29	
70	205.18		5.02		201.42		5.33	
75	207.17		4.97		202.34		5.37	
80	209.40		4.92		203.36		5.42	
85	211.99		4.86		204.55		5.47	
90	215.24		4.78		206.05		5.54	

Table D.1.5: Mathematics Grade 4 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.80</i>			<i>SD</i>	<i>1.88</i>		
10	181.04	10.96			190.47	10.19		
20	186.92	10.82			193.11	10.31		
25	189.15	10.76			194.12	10.36		
30	191.16	10.71			195.02	10.40		
35	193.02	10.67			195.85	10.44		
40	194.78	10.63			196.65	10.47		
45	196.49	10.59			197.41	10.51		
48	197.50	10.56			197.87	10.53		
50	198.17	10.54			198.17	10.54		
52	198.84	10.53			198.47	10.56		
55	199.85	10.50			198.92	10.58		
60	201.55	10.46			199.69	10.61		
65	203.31	10.42			200.48	10.65		
70	205.17	10.37			201.31	10.69		
75	207.18	10.33			202.21	10.73		
80	209.41	10.27			203.22	10.78		
85	212.01	10.21			204.39	10.83		
90	215.29	10.13			205.86	10.90		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.59</i>			<i>SD</i>	<i>2.44</i>		
10	185.44	10.82			195.24	9.81		
20	191.65	10.52			198.09	9.86		
25	194.01	10.41			199.17	9.88		
30	196.13	10.31			200.14	9.89		
35	198.10	10.21			201.04	9.91		
40	199.96	10.12			201.90	9.92		
45	201.76	10.04			202.72	9.94		
48	202.83	9.99			203.21	9.95		
50	203.54	9.95			203.54	9.95		
52	204.24	9.92			203.86	9.96		
55	205.31	9.87			204.35	9.97		
60	207.11	9.78			205.18	9.98		
65	208.98	9.69			206.03	10.00		
70	210.94	9.60			206.93	10.01		
75	213.06	9.49			207.90	10.03		
80	215.42	9.38			208.99	10.05		
85	218.17	9.25			210.25	10.07		
90	221.63	9.08			211.83	10.10		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.04</i>	<i>6.41</i>	<i>6.11</i>	<i>SD</i>	<i>1.26</i>	<i>2.20</i>	<i>1.72</i>
10	184.31	7.30	11.85	9.47	194.11	6.36	10.82	9.17
20	190.36	7.12	11.74	9.62	196.80	6.50	11.07	9.42

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Mathematics Grade 4 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	192.66	7.05	11.71	9.67	197.82	6.55	11.17	9.51
30	194.72	6.99	11.67	9.72	198.74	6.60	11.25	9.60
35	196.64	6.93	11.64	9.77	199.59	6.65	11.33	9.68
40	198.45	6.88	11.61	9.81	200.39	6.69	11.40	9.75
45	200.21	6.82	11.58	9.85	201.17	6.73	11.48	9.82
48	201.25	6.79	11.56	9.88	201.63	6.75	11.52	9.87
50	201.94	6.77	11.55	9.89	201.94	6.77	11.55	9.89
52	202.63	6.75	11.54	9.91	202.25	6.79	11.58	9.92
55	203.67	6.72	11.52	9.94	202.71	6.81	11.62	9.97
60	205.43	6.67	11.49	9.98	203.49	6.85	11.69	10.04
65	207.24	6.61	11.46	10.02	204.29	6.90	11.77	10.11
70	209.16	6.55	11.43	10.07	205.14	6.94	11.85	10.19
75	211.22	6.49	11.39	10.12	206.06	6.99	11.93	10.28
80	213.52	6.42	11.35	10.17	207.08	7.04	12.03	10.37
85	216.20	6.34	11.31	10.24	208.27	7.11	12.14	10.48
90	219.58	6.24	11.25	10.32	209.77	7.19	12.27	10.62

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		4.72		<i>SD</i>		0.88	
10	190.43		4.85		200.31		4.24	
20	196.70		4.83		203.20		4.43	
25	199.09		4.82		204.29		4.50	
30	201.23		4.81		205.27		4.56	
35	203.21		4.80		206.19		4.62	
40	205.10		4.79		207.05		4.67	
45	206.92		4.79		207.89		4.73	
48	208.00		4.78		208.38		4.76	
50	208.71		4.78		208.71		4.78	
52	209.43		4.77		209.04		4.80	
55	210.50		4.77		209.53		4.83	
60	212.33		4.76		210.37		4.88	
65	214.21		4.75		211.24		4.94	
70	216.19		4.75		212.15		5.00	
75	218.33		4.74		213.13		5.06	
80	220.72		4.73		214.23		5.13	
85	223.50		4.72		215.50		5.21	
90	226.99		4.70		217.11		5.31	

Table D.1.6: Mathematics Grade 5 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.11</i>			<i>SD</i>	<i>2.13</i>		
10	189.19	10.02			198.96	8.97		
20	195.68	9.72			202.09	9.03		
25	198.14	9.60			203.28	9.05		
30	200.35	9.50			204.35	9.07		
35	202.40	9.40			205.34	9.09		
40	204.35	9.31			206.28	9.11		
45	206.23	9.23			207.19	9.12		
48	207.35	9.18			207.73	9.13		
50	208.09	9.14			208.09	9.14		
52	208.82	9.11			208.44	9.15		
55	209.94	9.06			208.98	9.16		
60	211.82	8.97			209.89	9.18		
65	213.77	8.88			210.83	9.19		
70	215.82	8.78			211.82	9.21		
75	218.03	8.68			212.89	9.23		
80	220.49	8.57			214.08	9.26		
85	223.37	8.44			215.47	9.28		
90	226.98	8.27			217.21	9.32		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.91</i>			<i>SD</i>	<i>2.85</i>		
10	192.53	10.08			202.77	8.79		
20	199.47	9.58			206.19	8.73		
25	202.10	9.39			207.49	8.71		
30	204.47	9.22			208.66	8.69		
35	206.66	9.06			209.74	8.67		
40	208.74	8.91			210.77	8.65		
45	210.76	8.76			211.76	8.64		
48	211.95	8.68			212.35	8.63		
50	212.74	8.62			212.74	8.62		
52	213.53	8.56			213.13	8.61		
55	214.72	8.48			213.72	8.60		
60	216.73	8.33			214.71	8.59		
65	218.81	8.18			215.74	8.57		
70	221.01	8.02			216.82	8.55		
75	223.37	7.85			217.98	8.53		
80	226.01	7.66			219.28	8.51		
85	229.08	7.44			220.80	8.48		
90	232.95	7.16			222.71	8.45		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.21</i>	<i>6.80</i>	<i>6.48</i>	<i>SD</i>	<i>1.49</i>	<i>2.60</i>	<i>2.04</i>
10	192.63	6.12	9.91	5.35	202.47	5.25	8.98	5.20
20	199.09	6.01	9.91	5.57	205.55	5.43	9.30	5.47

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Mathematics Grade 5 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	201.54	5.96	9.91	5.65	206.72	5.50	9.42	5.57
30	203.74	5.92	9.92	5.73	207.77	5.57	9.53	5.66
35	205.78	5.89	9.92	5.80	208.74	5.63	9.64	5.75
40	207.72	5.85	9.92	5.86	209.67	5.68	9.73	5.83
45	209.59	5.82	9.92	5.93	210.56	5.74	9.83	5.91
48	210.70	5.80	9.92	5.96	211.09	5.77	9.88	5.96
50	211.44	5.79	9.92	5.99	211.44	5.79	9.92	5.99
52	212.18	5.78	9.92	6.01	211.79	5.81	9.96	6.02
55	213.28	5.76	9.92	6.05	212.32	5.84	10.01	6.07
60	215.16	5.72	9.92	6.11	213.21	5.89	10.11	6.15
65	217.09	5.69	9.92	6.18	214.14	5.95	10.20	6.23
70	219.14	5.65	9.92	6.25	215.11	6.01	10.30	6.31
75	221.34	5.61	9.92	6.32	216.16	6.07	10.41	6.41
80	223.79	5.57	9.92	6.41	217.33	6.14	10.54	6.51
85	226.65	5.52	9.92	6.50	218.69	6.22	10.68	6.63
90	230.25	5.46	9.93	6.63	220.41	6.33	10.86	6.78

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>4.81</i>		<i>SD</i>		<i>1.03</i>	
10	197.58		3.98		207.53		3.45	
20	204.32		4.03		210.86		3.69	
25	206.89		4.05		212.12		3.77	
30	209.19		4.07		213.26		3.85	
35	211.32		4.09		214.31		3.93	
40	213.34		4.10		215.31		4.00	
45	215.30		4.12		216.28		4.06	
48	216.46		4.12		216.85		4.10	
50	217.23		4.13		217.23		4.13	
52	218.00		4.14		217.61		4.16	
55	219.15		4.15		218.18		4.20	
60	221.11		4.16		219.14		4.26	
65	223.13		4.18		220.14		4.33	
70	225.27		4.19		221.19		4.41	
75	227.57		4.21		222.33		4.49	
80	230.13		4.23		223.59		4.57	
85	233.12		4.25		225.07		4.68	
90	236.87		4.28		226.92		4.81	

Table D.1.7: Mathematics Grade 6 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>6.12</i>			<i>SD</i>	<i>2.01</i>		
10	195.80	7.30			206.89	5.77		
20	202.88	6.73			210.17	5.72		
25	205.57	6.51			211.41	5.70		
30	207.99	6.31			212.53	5.68		
35	210.23	6.13			213.57	5.67		
40	212.35	5.96			214.55	5.65		
45	214.41	5.79			215.50	5.64		
48	215.63	5.69			216.06	5.63		
50	216.43	5.63			216.43	5.63		
52	217.24	5.56			216.81	5.62		
55	218.46	5.46			217.37	5.61		
60	220.51	5.29			218.32	5.60		
65	222.64	5.12			219.30	5.58		
70	224.88	4.94			220.34	5.57		
75	227.29	4.74			221.45	5.55		
80	229.98	4.52			222.70	5.53		
85	233.12	4.27			224.15	5.51		
90	237.07	3.95			225.97	5.49		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>6.84</i>			<i>SD</i>	<i>2.49</i>		
10	198.21	7.58			210.05	5.47		
20	205.84	6.65			213.62	5.26		
25	208.74	6.30			214.98	5.19		
30	211.35	5.98			216.19	5.12		
35	213.76	5.69			217.32	5.06		
40	216.05	5.41			218.39	5.00		
45	218.26	5.14			219.43	4.94		
48	219.57	4.98			220.04	4.90		
50	220.44	4.88			220.44	4.88		
52	221.31	4.77			220.85	4.86		
55	222.62	4.61			221.46	4.82		
60	224.84	4.35			222.50	4.76		
65	227.13	4.07			223.57	4.70		
70	229.54	3.78			224.70	4.64		
75	232.15	3.46			225.91	4.57		
80	235.05	3.11			227.27	4.49		
85	238.43	2.70			228.85	4.40		
90	242.68	2.18			230.83	4.29		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.18</i>	<i>6.74</i>	<i>6.67</i>	<i>SD</i>	<i>1.30</i>	<i>2.27</i>	<i>1.96</i>
10	197.72	4.94	8.01	6.61	208.40	4.06	7.03	6.06
20	204.55	4.77	7.91	6.64	211.56	4.19	7.26	6.28

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Mathematics Grade 6 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	207.14	4.70	7.87	6.65	212.77	4.24	7.35	6.36
30	209.47	4.64	7.83	6.66	213.85	4.28	7.43	6.44
35	211.63	4.59	7.80	6.67	214.85	4.33	7.50	6.51
40	213.68	4.54	7.77	6.68	215.80	4.37	7.57	6.58
45	215.67	4.49	7.74	6.69	216.71	4.40	7.64	6.64
48	216.84	4.46	7.72	6.70	217.26	4.43	7.68	6.68
50	217.62	4.44	7.71	6.70	217.62	4.44	7.71	6.70
52	218.40	4.42	7.69	6.71	217.98	4.46	7.73	6.73
55	219.57	4.39	7.68	6.71	218.52	4.48	7.77	6.77
60	221.55	4.34	7.64	6.72	219.44	4.52	7.84	6.83
65	223.60	4.29	7.61	6.73	220.39	4.56	7.91	6.90
70	225.76	4.24	7.58	6.74	221.39	4.60	7.98	6.97
75	228.09	4.18	7.54	6.75	222.47	4.64	8.06	7.04
80	230.69	4.12	7.50	6.76	223.67	4.69	8.15	7.12
85	233.71	4.04	7.46	6.78	225.07	4.75	8.25	7.22
90	237.52	3.95	7.40	6.80	226.84	4.83	8.38	7.35

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		4.80		<i>SD</i>		0.92	
10	201.55		3.26		212.31		2.77	
20	208.59		3.26		215.66		2.94	
25	211.26		3.26		216.93		3.00	
30	213.67		3.26		218.07		3.06	
35	215.89		3.26		219.13		3.12	
40	218.00		3.26		220.13		3.17	
45	220.05		3.26		221.10		3.22	
48	221.26		3.26		221.68		3.24	
50	222.06		3.26		222.06		3.26	
52	222.86		3.26		222.44		3.28	
55	224.07		3.26		223.02		3.31	
60	226.11		3.26		223.99		3.36	
65	228.23		3.26		224.99		3.41	
70	230.45		3.26		226.05		3.47	
75	232.85		3.26		227.19		3.53	
80	235.53		3.26		228.46		3.59	
85	238.65		3.26		229.94		3.67	
90	242.57		3.26		231.81		3.76	

Table D.1.8: Mathematics Grade 7 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>5.76</i>			<i>SD</i>	<i>1.80</i>		
10	199.31	6.22			210.63	5.42		
20	206.67	5.93			214.11	5.40		
25	209.47	5.82			215.43	5.39		
30	211.98	5.72			216.62	5.38		
35	214.31	5.62			217.71	5.38		
40	216.52	5.53			218.76	5.37		
45	218.65	5.45			219.77	5.37		
48	219.92	5.40			220.36	5.37		
50	220.76	5.36			220.76	5.36		
52	221.60	5.33			221.15	5.36		
55	222.86	5.28			221.75	5.36		
60	225.00	5.19			222.76	5.35		
65	227.21	5.10			223.80	5.35		
70	229.54	5.01			224.90	5.34		
75	232.05	4.91			226.09	5.34		
80	234.85	4.80			227.41	5.33		
85	238.11	4.67			228.95	5.32		
90	242.21	4.50			230.88	5.31		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>6.46</i>			<i>SD</i>	<i>2.17</i>		
10	200.89		6.56		212.79		5.37	
20	208.71		5.99		216.53		5.21	
25	211.69		5.78		217.95		5.15	
30	214.35		5.59		219.22		5.10	
35	216.83		5.41		220.40		5.05	
40	219.17		5.24		221.52		5.01	
45	221.44		5.08		222.61		4.96	
48	222.79		4.98		223.25		4.93	
50	223.68		4.92		223.68		4.92	
52	224.57		4.85		224.10		4.90	
55	225.91		4.76		224.74		4.87	
60	228.18		4.59		225.83		4.83	
65	230.53		4.42		226.95		4.78	
70	233.00		4.24		228.13		4.73	
75	235.67		4.05		229.41		4.68	
80	238.64		3.84		230.83		4.62	
85	242.10		3.59		232.48		4.55	
90	246.46		3.28		234.56		4.47	

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.10</i>	<i>6.54</i>	<i>6.25</i>	<i>SD</i>	<i>1.19</i>	<i>2.08</i>	<i>1.89</i>
10	201.38	3.87	6.11	5.08	212.76	3.14	5.36	4.86
20	208.68	3.73	6.05	5.22	216.16	3.26	5.56	5.07

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Mathematics Grade 7 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	211.46	3.68	6.03	5.27	217.44	3.30	5.64	5.15
30	213.95	3.63	6.01	5.31	218.60	3.34	5.71	5.22
35	216.25	3.59	6.00	5.35	219.68	3.37	5.77	5.29
40	218.44	3.55	5.98	5.39	220.69	3.41	5.83	5.35
45	220.56	3.51	5.96	5.43	221.68	3.44	5.89	5.41
48	221.82	3.49	5.95	5.46	222.26	3.46	5.92	5.45
50	222.65	3.47	5.95	5.47	222.65	3.47	5.95	5.47
52	223.48	3.46	5.94	5.49	223.03	3.49	5.97	5.49
55	224.73	3.44	5.93	5.51	223.62	3.51	6.00	5.53
60	226.85	3.40	5.91	5.55	224.60	3.54	6.06	5.59
65	229.04	3.36	5.90	5.59	225.62	3.57	6.12	5.65
70	231.35	3.31	5.88	5.63	226.69	3.61	6.18	5.72
75	233.84	3.27	5.86	5.67	227.85	3.65	6.25	5.79
80	236.61	3.22	5.84	5.72	229.14	3.69	6.33	5.87
85	239.85	3.16	5.81	5.78	230.64	3.74	6.42	5.97
90	243.91	3.08	5.78	5.86	232.53	3.81	6.53	6.08

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		4.75		<i>SD</i>		0.86	
10	204.25		2.47		215.79		2.06	
20	211.76		2.47		219.34		2.20	
25	214.61		2.47		220.68		2.25	
30	217.17		2.47		221.89		2.30	
35	219.54		2.47		223.02		2.35	
40	221.80		2.47		224.08		2.39	
45	223.98		2.47		225.11		2.43	
48	225.27		2.47		225.72		2.46	
50	226.12		2.47		226.12		2.47	
52	226.98		2.47		226.53		2.49	
55	228.27		2.47		227.13		2.51	
60	230.45		2.47		228.16		2.55	
65	232.70		2.47		229.23		2.60	
70	235.07		2.47		230.35		2.64	
75	237.63		2.47		231.56		2.69	
80	240.49		2.47		232.91		2.74	
85	243.81		2.47		234.48		2.81	
90	248.00		2.47		236.45		2.89	

Table D.1.9: Mathematics Grade 8 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>6.42</i>			<i>SD</i>	<i>1.97</i>		
10	201.94	5.23			213.41	4.20		
20	209.74	4.98			217.27	4.30		
25	212.70	4.88			218.74	4.34		
30	215.37	4.79			220.06	4.37		
35	217.83	4.71			221.28	4.40		
40	220.17	4.63			222.44	4.43		
45	222.44	4.56			223.56	4.46		
48	223.77	4.51			224.22	4.47		
50	224.66	4.48			224.66	4.48		
52	225.55	4.46			225.10	4.50		
55	226.89	4.41			225.77	4.51		
60	229.16	4.34			226.89	4.54		
65	231.50	4.26			228.05	4.57		
70	233.96	4.18			229.27	4.60		
75	236.62	4.09			230.59	4.63		
80	239.59	3.99			232.05	4.67		
85	243.04	3.88			233.76	4.71		
90	247.39	3.74			235.92	4.77		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>7.70</i>			<i>SD</i>	<i>2.50</i>		
10	203.15	5.37			215.16	3.86		
20	211.31	4.90			219.20	3.91		
25	214.41	4.72			220.73	3.93		
30	217.20	4.56			222.11	3.95		
35	219.78	4.41			223.39	3.96		
40	222.22	4.27			224.60	3.98		
45	224.59	4.14			225.77	3.99		
48	225.99	4.06			226.46	4.00		
50	226.92	4.00			226.92	4.00		
52	227.85	3.95			227.38	4.01		
55	229.25	3.87			228.08	4.02		
60	231.62	3.73			229.25	4.03		
65	234.07	3.59			230.46	4.05		
70	236.65	3.45			231.74	4.06		
75	239.43	3.29			233.12	4.08		
80	242.53	3.11			234.65	4.10		
85	246.15	2.90			236.44	4.12		
90	250.69	2.64			238.69	4.15		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.58</i>	<i>7.65</i>	<i>7.11</i>	<i>SD</i>	<i>1.21</i>	<i>2.12</i>	<i>1.92</i>
10	203.42	3.37	5.07	2.85	215.03	2.42	3.87	3.15
20	211.28	3.19	4.91	3.23	218.90	2.56	4.13	3.43

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Mathematics Grade 8 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	214.26	3.12	4.86	3.38	220.37	2.62	4.23	3.54
30	216.94	3.06	4.81	3.51	221.69	2.67	4.32	3.63
35	219.42	3.01	4.76	3.63	222.91	2.72	4.40	3.72
40	221.78	2.95	4.71	3.74	224.07	2.76	4.48	3.80
45	224.06	2.90	4.67	3.85	225.19	2.81	4.55	3.88
48	225.40	2.87	4.64	3.92	225.86	2.83	4.60	3.93
50	226.30	2.85	4.63	3.96	226.30	2.85	4.63	3.96
52	227.20	2.83	4.61	4.01	226.74	2.86	4.66	4.00
55	228.54	2.80	4.58	4.07	227.41	2.89	4.70	4.04
60	230.82	2.74	4.54	4.18	228.53	2.93	4.78	4.12
65	233.18	2.69	4.50	4.30	229.69	2.98	4.85	4.21
70	235.66	2.63	4.45	4.42	230.91	3.02	4.94	4.29
75	238.34	2.57	4.40	4.55	232.23	3.07	5.02	4.39
80	241.32	2.50	4.34	4.70	233.70	3.13	5.12	4.50
85	244.80	2.42	4.27	4.87	235.42	3.20	5.24	4.62
90	249.18	2.32	4.19	5.08	237.57	3.28	5.38	4.77

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>5.04</i>		<i>SD</i>		<i>0.87</i>	
10	205.68		1.63		217.34		1.31	
20	213.74		1.68		221.39		1.47	
25	216.80		1.70		222.93		1.53	
30	219.55		1.72		224.32		1.59	
35	222.09		1.73		225.60		1.64	
40	224.51		1.75		226.81		1.69	
45	226.85		1.76		227.99		1.73	
48	228.23		1.77		228.69		1.76	
50	229.15		1.78		229.15		1.78	
52	230.07		1.79		229.61		1.80	
55	231.45		1.79		230.31		1.83	
60	233.79		1.81		231.48		1.87	
65	236.20		1.83		232.70		1.92	
70	238.75		1.84		233.98		1.97	
75	241.50		1.86		235.36		2.03	
80	244.56		1.88		236.90		2.09	
85	248.12		1.90		238.70		2.16	
90	252.61		1.93		240.96		2.25	

Table D.1.10: Mathematics Grade 9 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>7.06</i>			<i>SD</i>	<i>2.43</i>		
10	204.78	5.37			216.90	3.43		
20	213.19	4.55			221.15	3.28		
25	216.38	4.24			222.76	3.22		
30	219.24	3.96			224.20	3.16		
35	221.90	3.70			225.54	3.11		
40	224.42	3.45			226.82	3.07		
45	226.86	3.21			228.05	3.02		
48	228.30	3.07			228.78	2.99		
50	229.26	2.98			229.26	2.98		
52	230.22	2.88			229.74	2.96		
55	231.66	2.74			230.47	2.93		
60	234.10	2.50			231.70	2.89		
65	236.62	2.26			232.97	2.84		
70	239.27	2.00			234.31	2.79		
75	242.14	1.72			235.76	2.74		
80	245.33	1.41			237.37	2.68		
85	249.05	1.04			239.25	2.61		
90	253.73	0.58			241.61	2.52		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>8.15</i>			<i>SD</i>	<i>2.93</i>		
10	205.06	5.62			217.77	3.32		
20	213.92	4.55			222.27	3.04		
25	217.29	4.15			223.98	2.94		
30	220.32	3.78			225.52	2.84		
35	223.12	3.45			226.94	2.76		
40	225.78	3.13			228.30	2.67		
45	228.36	2.82			229.60	2.60		
48	229.88	2.64			230.38	2.55		
50	230.89	2.52			230.89	2.52		
52	231.90	2.40			231.40	2.49		
55	233.42	2.21			232.17	2.44		
60	236.00	1.90			233.48	2.36		
65	238.66	1.58			234.83	2.28		
70	241.46	1.25			236.26	2.19		
75	244.48	0.89			237.79	2.10		
80	247.85	0.48			239.50	1.99		
85	251.78	0.01			241.50	1.87		
90	256.72	-0.58			244.01	1.72		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.80</i>	<i>8.14</i>	<i>7.38</i>	<i>SD</i>	<i>1.31</i>	<i>2.29</i>	<i>2.35</i>
10	207.03	2.52	3.63	2.54	218.56	1.49	2.31	1.98
20	215.01	2.33	3.46	2.49	222.58	1.65	2.59	2.12

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Mathematics Grade 9 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	218.04	2.26	3.40	2.47	224.11	1.71	2.70	2.18
30	220.76	2.19	3.34	2.46	225.48	1.77	2.80	2.23
35	223.29	2.13	3.28	2.44	226.75	1.82	2.88	2.27
40	225.68	2.07	3.23	2.43	227.96	1.87	2.97	2.32
45	227.99	2.02	3.18	2.41	229.12	1.92	3.05	2.36
48	229.36	1.98	3.15	2.41	229.81	1.94	3.10	2.38
50	230.27	1.96	3.13	2.40	230.27	1.96	3.13	2.40
52	231.18	1.94	3.11	2.39	230.73	1.98	3.16	2.42
55	232.55	1.91	3.08	2.39	231.42	2.01	3.21	2.44
60	234.87	1.85	3.03	2.37	232.59	2.06	3.30	2.48
65	237.26	1.79	2.98	2.36	233.79	2.10	3.38	2.53
70	239.78	1.73	2.93	2.34	235.07	2.16	3.47	2.57
75	242.50	1.67	2.87	2.33	236.44	2.21	3.57	2.62
80	245.53	1.60	2.80	2.31	237.96	2.27	3.67	2.68
85	249.07	1.51	2.73	2.29	239.75	2.34	3.80	2.74
90	253.51	1.40	2.63	2.26	241.99	2.43	3.96	2.82

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>5.18</i>		<i>SD</i>		<i>0.94</i>	
10	208.37		0.92		219.94		0.65	
20	216.56		1.00		224.16		0.83	
25	219.67		1.04		225.76		0.90	
30	222.47		1.07		227.20		0.96	
35	225.06		1.09		228.54		1.01	
40	227.52		1.12		229.80		1.07	
45	229.90		1.15		231.03		1.12	
48	231.30		1.16		231.75		1.15	
50	232.24		1.17		232.24		1.17	
52	233.17		1.18		232.72		1.19	
55	234.58		1.19		233.44		1.22	
60	236.95		1.22		234.67		1.27	
65	239.41		1.25		235.93		1.33	
70	242.00		1.27		237.27		1.38	
75	244.80		1.30		238.71		1.44	
80	247.91		1.34		240.31		1.51	
85	251.54		1.37		242.18		1.59	
90	256.10		1.42		244.53		1.69	

Table D.1.11: Mathematics Grade 10 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.95</i>			<i>SD</i>	<i>2.05</i>		
10	204.04	3.43			216.05	2.45		
20	212.70	3.02			220.59	2.38		
25	215.99	2.87			222.31	2.35		
30	218.94	2.73			223.86	2.33		
35	221.68	2.60			225.29	2.31		
40	224.28	2.48			226.65	2.29		
45	226.79	2.36			227.97	2.27		
48	228.28	2.29			228.75	2.25		
50	229.27	2.25			229.27	2.25		
52	230.26	2.20			229.79	2.24		
55	231.74	2.13			230.57	2.23		
60	234.26	2.01			231.88	2.21		
65	236.85	1.89			233.24	2.19		
70	239.59	1.76			234.68	2.16		
75	242.55	1.63			236.23	2.14		
80	245.84	1.47			237.95	2.11		
85	249.67	1.29			239.96	2.08		
90	254.50	1.07			242.49	2.04		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>8.79</i>			<i>SD</i>	<i>2.70</i>		
10	203.72	4.27			216.49	2.56		
20	212.82	3.54			221.21	2.42		
25	216.27	3.26			223.00	2.36		
30	219.38	3.01			224.61	2.31		
35	222.26	2.78			226.10	2.27		
40	224.99	2.56			227.51	2.22		
45	227.63	2.35			228.88	2.18		
48	229.19	2.22			229.69	2.16		
50	230.23	2.14			230.23	2.14		
52	231.26	2.06			230.76	2.12		
55	232.82	1.93			231.57	2.10		
60	235.47	1.72			232.94	2.06		
65	238.20	1.50			234.35	2.01		
70	241.07	1.27			235.85	1.97		
75	244.18	1.02			237.45	1.92		
80	247.63	0.74			239.24	1.86		
85	251.66	0.42			241.33	1.80		
90	256.73	0.01			243.96	1.72		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.15</i>	<i>8.90</i>	<i>7.73</i>	<i>SD</i>	<i>1.51</i>	<i>2.65</i>	<i>2.20</i>
10	204.94	2.17	3.11	1.09	217.17	1.21	1.87	1.65
20	213.56	1.93	2.84	1.40	221.59	1.30	2.02	1.77

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Mathematics Grade 10 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	216.84	1.83	2.73	1.52	223.27	1.33	2.08	1.81
30	219.78	1.75	2.64	1.63	224.78	1.36	2.13	1.85
35	222.50	1.67	2.55	1.73	226.18	1.38	2.18	1.89
40	225.09	1.60	2.47	1.82	227.51	1.41	2.22	1.93
45	227.59	1.53	2.39	1.91	228.79	1.44	2.27	1.96
48	229.07	1.49	2.34	1.96	229.55	1.45	2.29	1.98
50	230.06	1.46	2.31	2.00	230.06	1.46	2.31	2.00
52	231.04	1.43	2.28	2.03	230.56	1.47	2.33	2.01
55	232.52	1.39	2.23	2.09	231.32	1.48	2.35	2.03
60	235.02	1.32	2.15	2.18	232.60	1.51	2.40	2.07
65	237.61	1.25	2.07	2.27	233.93	1.53	2.44	2.10
70	240.33	1.17	1.98	2.37	235.33	1.56	2.49	2.14
75	243.27	1.09	1.89	2.48	236.84	1.59	2.54	2.18
80	246.55	0.99	1.78	2.59	238.52	1.62	2.60	2.23
85	250.37	0.88	1.66	2.73	240.48	1.66	2.66	2.28
90	255.17	0.75	1.51	2.91	242.94	1.71	2.75	2.35

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>5.41</i>		<i>SD</i>		<i>1.10</i>	
10	205.87		0.55		218.23		0.45	
20	214.67		0.65		222.79		0.59	
25	218.02		0.69		224.53		0.64	
30	221.02		0.73		226.08		0.69	
35	223.80		0.76		227.52		0.73	
40	226.45		0.79		228.89		0.77	
45	229.00		0.82		230.21		0.81	
48	230.51		0.84		231.00		0.83	
50	231.52		0.85		231.52		0.85	
52	232.52		0.86		232.04		0.87	
55	234.03		0.88		232.82		0.89	
60	236.59		0.91		234.14		0.93	
65	239.23		0.94		235.51		0.97	
70	242.01		0.97		236.95		1.01	
75	245.01		1.01		238.51		1.06	
80	248.36		1.05		240.24		1.11	
85	252.26		1.09		242.26		1.17	
90	257.16		1.15		244.80		1.25	

Appendix D.2 - Reading

Table D.2.1: Reading Grade K Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	5.63	7.49	8.96	<i>SD</i>	1.65	2.88	3.70
10	123.69	13.00	21.08	26.30	133.32	10.95	18.25	22.97
20	129.65	12.07	19.71	24.65	135.97	10.72	17.86	22.45
25	131.91	11.71	19.19	24.02	136.98	10.63	17.70	22.26
30	133.95	11.40	18.72	23.45	137.89	10.56	17.57	22.09
35	135.83	11.10	18.29	22.93	138.73	10.48	17.44	21.93
40	137.62	10.82	17.88	22.43	139.52	10.42	17.32	21.77
45	139.35	10.55	17.49	21.95	140.29	10.35	17.21	21.62
48	140.37	10.39	17.25	21.67	140.75	10.31	17.14	21.54
50	141.05	10.28	17.10	21.48	141.05	10.28	17.10	21.48
52	141.73	10.18	16.94	21.29	141.35	10.26	17.05	21.42
55	142.75	10.02	16.71	21.01	141.81	10.22	16.98	21.33
60	144.48	9.75	16.31	20.53	142.58	10.15	16.87	21.18
65	146.27	9.47	15.90	20.03	143.37	10.09	16.75	21.03
70	148.15	9.17	15.47	19.51	144.21	10.01	16.62	20.87
75	150.18	8.85	15.00	18.94	145.12	9.94	16.49	20.70
80	152.45	8.50	14.48	18.31	146.12	9.85	16.34	20.50
85	155.09	8.09	13.88	17.58	147.30	9.75	16.16	20.28
90	158.40	7.57	13.12	16.66	148.78	9.62	15.94	19.99

Start %ile	RIT	Student Growth			RIT	School Growth		
	Winter	Winter	Spring	N Fall	Winter	Winter	Spring	N Fall
	<i>SD</i>		5.36		<i>SD</i>		1.29	
10	135.01		8.17		143.96		6.83	
20	140.62		7.70		146.49		6.83	
25	142.74		7.53		147.45		6.82	
30	144.66		7.37		148.32		6.82	
35	146.43		7.22		149.12		6.82	
40	148.11		7.08		149.88		6.82	
45	149.73		6.94		150.61		6.81	
48	150.69		6.86		151.04		6.81	
50	151.33		6.81		151.33		6.81	
52	151.97		6.76		151.62		6.81	
55	152.93		6.68		152.06		6.81	
60	154.56		6.54		152.79		6.81	
65	156.24		6.40		153.55		6.80	
70	158.01		6.26		154.35		6.80	
75	159.92		6.10		155.22		6.80	
80	162.05		5.92		156.18		6.80	
85	164.53		5.72		157.30		6.79	
90	167.65		5.46		158.71		6.79	

Table D.2.2: Reading Grade 1 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>7.47</i>			<i>SD</i>	<i>2.52</i>		
10	134.20	22.86			143.42	20.90		
20	140.25	21.78			146.30	20.49		
25	142.55	21.37			147.40	20.33		
30	144.61	21.00			148.38	20.20		
35	146.52	20.66			149.30	20.07		
40	148.34	20.33			150.16	19.94		
45	150.09	20.02			151.00	19.83		
48	151.13	19.83			151.49	19.76		
50	151.82	19.71			151.82	19.71		
52	152.51	19.59			152.15	19.66		
55	153.55	19.40			152.65	19.59		
60	155.31	19.09			153.48	19.48		
65	157.12	18.76			154.35	19.35		
70	159.04	18.42			155.26	19.22		
75	161.10	18.05			156.24	19.08		
80	163.40	17.64			157.34	18.93		
85	166.08	17.16			158.62	18.75		
90	169.45	16.56			160.22	18.52		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>7.71</i>			<i>SD</i>	<i>2.65</i>		
10	138.25	23.47			148.99	20.68		
20	145.29	21.85			152.35	20.02		
25	147.97	21.24			153.62	19.77		
30	150.37	20.69			154.77	19.54		
35	152.59	20.17			155.83	19.34		
40	154.71	19.69			156.83	19.14		
45	156.75	19.22			157.80	18.95		
48	157.96	18.94			158.38	18.83		
50	158.76	18.76			158.76	18.76		
52	159.56	18.57			159.14	18.68		
55	160.77	18.29			159.72	18.57		
60	162.82	17.82			160.69	18.38		
65	164.93	17.34			161.70	18.18		
70	167.16	16.83			162.76	17.97		
75	169.56	16.28			163.90	17.74		
80	172.23	15.66			165.18	17.49		
85	175.35	14.94			166.66	17.20		
90	179.27	14.04			168.53	16.83		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.93</i>	<i>8.03</i>	<i>9.59</i>	<i>SD</i>	<i>1.59</i>	<i>2.78</i>	<i>3.56</i>
10	143.94	12.00	18.05	12.76	153.24	10.66	16.51	13.52
20	149.69	11.60	17.63	13.20	155.80	10.72	16.62	13.69

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Reading Grade 1 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	151.88	11.45	17.47	13.36	156.77	10.74	16.66	13.76
30	153.84	11.31	17.32	13.51	157.64	10.76	16.70	13.82
35	155.66	11.18	17.19	13.64	158.45	10.78	16.73	13.87
40	157.38	11.06	17.06	13.77	159.22	10.80	16.76	13.92
45	159.05	10.95	16.94	13.90	159.97	10.82	16.79	13.97
48	160.04	10.88	16.87	13.97	160.41	10.83	16.81	14.00
50	160.70	10.84	16.82	14.02	160.70	10.84	16.82	14.02
52	161.35	10.79	16.77	14.07	160.99	10.84	16.83	14.04
55	162.34	10.72	16.70	14.15	161.43	10.85	16.85	14.07
60	164.01	10.61	16.58	14.27	162.17	10.87	16.88	14.12
65	165.74	10.49	16.45	14.40	162.94	10.89	16.91	14.17
70	167.56	10.36	16.32	14.54	163.75	10.91	16.95	14.23
75	169.52	10.22	16.17	14.69	164.62	10.93	16.98	14.29
80	171.70	10.07	16.01	14.85	165.60	10.95	17.02	14.35
85	174.25	9.90	15.83	15.04	166.73	10.98	17.07	14.43
90	177.46	9.67	15.59	15.28	168.16	11.01	17.13	14.53

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.46		<i>SD</i>		1.12	
10	154.18		6.07		163.63		5.47	
20	160.13		6.04		166.34		5.65	
25	162.40		6.03		167.37		5.71	
30	164.43		6.02		168.30		5.77	
35	166.31		6.01		169.16		5.83	
40	168.10		6.00		169.97		5.88	
45	169.83		5.99		170.76		5.94	
48	170.85		5.99		171.22		5.97	
50	171.53		5.99		171.53		5.99	
52	172.21		5.98		171.84		6.01	
55	173.23		5.98		172.31		6.04	
60	174.96		5.97		173.09		6.09	
65	176.75		5.96		173.91		6.14	
70	178.63		5.95		174.77		6.20	
75	180.67		5.94		175.69		6.26	
80	182.93		5.93		176.72		6.33	
85	185.57		5.92		177.92		6.41	
90	188.89		5.90		179.44		6.51	

Table D.2.3: Reading Grade 2 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.82</i>			<i>SD</i>	<i>2.00</i>		
10	151.49	15.60			163.05	13.21		
20	158.41	14.54			166.01	12.97		
25	161.05	14.13			167.13	12.87		
30	163.41	13.77			168.14	12.79		
35	165.60	13.43			169.08	12.72		
40	167.68	13.12			169.96	12.64		
45	169.69	12.81			170.82	12.57		
48	170.88	12.62			171.33	12.53		
50	171.67	12.50			171.67	12.50		
52	172.46	12.38			172.00	12.48		
55	173.65	12.20			172.51	12.43		
60	175.66	11.89			173.37	12.36		
65	177.74	11.57			174.26	12.29		
70	179.93	11.24			175.19	12.22		
75	182.29	10.87			176.20	12.13		
80	184.92	10.47			177.33	12.04		
85	187.99	10.00			178.64	11.93		
90	191.85	9.41			180.28	11.80		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>7.24</i>			<i>SD</i>	<i>2.28</i>		
10	156.11	15.44			168.21	12.34		
20	163.54	13.90			171.48	11.86		
25	166.36	13.31			172.73	11.68		
30	168.90	12.79			173.85	11.51		
35	171.24	12.30			174.88	11.36		
40	173.47	11.83			175.86	11.22		
45	175.63	11.39			176.81	11.08		
48	176.90	11.12			177.38	11.00		
50	177.75	10.94			177.75	10.94		
52	178.60	10.77			178.12	10.89		
55	179.87	10.50			178.69	10.81		
60	182.03	10.05			179.64	10.67		
65	184.26	9.59			180.62	10.52		
70	186.60	9.10			181.65	10.37		
75	189.14	8.57			182.77	10.21		
80	191.96	7.99			184.01	10.03		
85	195.25	7.30			185.46	9.82		
90	199.39	6.44			187.29	9.55		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.81</i>	<i>7.82</i>	<i>8.33</i>	<i>SD</i>	<i>1.43</i>	<i>2.50</i>	<i>2.42</i>
10	154.83	11.65	17.15	14.11	166.51	9.55	14.14	13.35
20	161.66	10.90	16.06	13.95	169.33	9.51	14.08	13.45

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Reading Grade 2 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	164.25	10.61	15.64	13.89	170.40	9.50	14.06	13.49
30	166.58	10.35	15.27	13.84	171.36	9.49	14.04	13.53
35	168.74	10.11	14.93	13.79	172.25	9.48	14.02	13.56
40	170.79	9.89	14.60	13.74	173.10	9.47	14.01	13.59
45	172.77	9.67	14.28	13.70	173.92	9.46	13.99	13.62
48	173.94	9.54	14.10	13.67	174.40	9.45	13.98	13.64
50	174.72	9.45	13.97	13.65	174.72	9.45	13.97	13.65
52	175.50	9.36	13.85	13.63	175.04	9.45	13.97	13.66
55	176.67	9.24	13.66	13.61	175.53	9.44	13.96	13.68
60	178.65	9.02	13.35	13.56	176.34	9.43	13.94	13.71
65	180.70	8.79	13.02	13.51	177.19	9.42	13.92	13.74
70	182.86	8.55	12.67	13.46	178.08	9.41	13.90	13.78
75	185.19	8.29	12.30	13.41	179.04	9.40	13.89	13.81
80	187.78	8.01	11.89	13.35	180.11	9.39	13.86	13.85
85	190.81	7.67	11.41	13.28	181.36	9.37	13.84	13.90
90	194.61	7.25	10.80	13.19	182.93	9.36	13.81	13.95

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.44		<i>SD</i>		1.06	
10	164.98		5.51		175.86		4.29	
20	171.57		5.17		178.71		4.37	
25	174.07		5.04		179.80		4.40	
30	176.32		4.93		180.77		4.43	
35	178.40		4.82		181.67		4.45	
40	180.38		4.72		182.53		4.48	
45	182.29		4.62		183.36		4.50	
48	183.42		4.56		183.85		4.51	
50	184.17		4.52		184.17		4.52	
52	184.92		4.48		184.50		4.53	
55	186.05		4.42		184.99		4.54	
60	187.97		4.33		185.82		4.57	
65	189.94		4.22		186.67		4.59	
70	192.02		4.12		187.57		4.62	
75	194.27		4.00		188.55		4.64	
80	196.78		3.87		189.63		4.67	
85	199.69		3.72		190.90		4.71	
90	203.36		3.53		192.49		4.75	

Table D.2.4: Reading Grade 3 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.16</i>			<i>SD</i>	<i>1.60</i>		
10	163.32	14.57			175.27	12.15		
20	170.35	13.62			178.20	12.03		
25	173.02	13.26			179.31	11.99		
30	175.42	12.94			180.31	11.95		
35	177.64	12.64			181.23	11.91		
40	179.75	12.35			182.11	11.87		
45	181.79	12.08			182.96	11.84		
48	183.00	11.91			183.46	11.82		
50	183.80	11.81			183.80	11.81		
52	184.60	11.70			184.13	11.79		
55	185.81	11.54			184.63	11.77		
60	187.85	11.26			185.48	11.74		
65	189.96	10.98			186.36	11.70		
70	192.18	10.68			187.29	11.67		
75	194.58	10.35			188.29	11.63		
80	197.25	9.99			189.40	11.58		
85	200.36	9.57			190.70	11.53		
90	204.28	9.04			192.33	11.46		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.71</i>			<i>SD</i>	<i>1.88</i>		
10	167.33	13.97			179.38	11.09		
20	174.47	12.77			182.39	10.88		
25	177.19	12.31			183.53	10.80		
30	179.63	11.90			184.56	10.73		
35	181.89	11.52			185.51	10.66		
40	184.03	11.16			186.41	10.59		
45	186.11	10.81			187.29	10.53		
48	187.33	10.61			187.81	10.50		
50	188.15	10.47			188.15	10.47		
52	188.96	10.33			188.49	10.45		
55	190.19	10.13			189.01	10.41		
60	192.27	9.78			189.88	10.35		
65	194.41	9.42			190.79	10.28		
70	196.67	9.04			191.74	10.22		
75	199.11	8.63			192.77	10.14		
80	201.82	8.18			193.91	10.06		
85	204.99	7.64			195.25	9.97		
90	208.97	6.98			196.92	9.85		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.51</i>	<i>7.15</i>	<i>7.40</i>	<i>SD</i>	<i>1.15</i>	<i>2.02</i>	<i>2.05</i>
10	167.98	9.56	13.60	11.53	179.70	7.60	10.82	9.82
20	174.95	8.79	12.48	10.98	182.65	7.50	10.66	9.86

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Reading Grade 3 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	177.60	8.50	12.05	10.77	183.77	7.46	10.59	9.87
30	179.98	8.23	11.67	10.58	184.77	7.43	10.53	9.88
35	182.18	7.99	11.31	10.40	185.71	7.40	10.48	9.89
40	184.27	7.76	10.98	10.24	186.59	7.37	10.43	9.90
45	186.30	7.54	10.65	10.08	187.45	7.34	10.38	9.91
48	187.49	7.40	10.46	9.98	187.95	7.33	10.35	9.92
50	188.29	7.31	10.33	9.92	188.29	7.31	10.33	9.92
52	189.08	7.23	10.20	9.86	188.63	7.30	10.31	9.92
55	190.28	7.09	10.01	9.76	189.13	7.29	10.28	9.93
60	192.31	6.87	9.68	9.60	189.99	7.26	10.23	9.94
65	194.40	6.64	9.35	9.43	190.87	7.23	10.18	9.95
70	196.60	6.40	8.99	9.26	191.81	7.20	10.13	9.96
75	198.98	6.13	8.61	9.07	192.81	7.17	10.07	9.97
80	201.63	5.84	8.18	8.86	193.93	7.13	10.01	9.98
85	204.72	5.50	7.68	8.62	195.24	7.09	9.93	10.00
90	208.60	5.07	7.06	8.31	196.88	7.03	9.84	10.02

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.24		<i>SD</i>		0.88	
10	176.21		4.27		187.16		3.03	
20	182.87		3.84		190.06		3.03	
25	185.40		3.68		191.16		3.02	
30	187.67		3.53		192.15		3.02	
35	189.77		3.39		193.07		3.02	
40	191.77		3.26		193.94		3.02	
45	193.70		3.14		194.78		3.02	
48	194.85		3.07		195.27		3.02	
50	195.60		3.02		195.60		3.02	
52	196.36		2.97		195.93		3.02	
55	197.51		2.89		196.43		3.01	
60	199.44		2.77		197.27		3.01	
65	201.44		2.64		198.14		3.01	
70	203.54		2.50		199.06		3.01	
75	205.81		2.36		200.05		3.01	
80	208.34		2.19		201.15		3.01	
85	211.29		2.00		202.43		3.00	
90	215.00		1.76		204.04		3.00	

Table D.2.5: Reading Grade 4 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.78</i>			<i>SD</i>	<i>1.34</i>		
10	175.19	10.73			186.85	8.69		
20	182.09	9.89			189.75	8.55		
25	184.71	9.58			190.85	8.50		
30	187.07	9.29			191.84	8.46		
35	189.25	9.03			192.76	8.42		
40	191.32	8.78			193.63	8.38		
45	193.33	8.54			194.47	8.34		
48	194.51	8.39			194.97	8.31		
50	195.30	8.30			195.30	8.30		
52	196.08	8.20			195.63	8.28		
55	197.27	8.06			196.13	8.26		
60	199.27	7.82			196.97	8.22		
65	201.34	7.57			197.84	8.18		
70	203.53	7.30			198.75	8.14		
75	205.88	7.02			199.74	8.09		
80	208.50	6.70			200.85	8.04		
85	211.56	6.33			202.13	7.98		
90	215.41	5.87			203.75	7.91		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.36</i>			<i>SD</i>	<i>1.65</i>		
10	177.92	10.71			189.67	8.23		
20	184.95	9.62			192.66	7.99		
25	187.62	9.21			193.80	7.90		
30	190.01	8.84			194.82	7.82		
35	192.23	8.49			195.77	7.74		
40	194.34	8.16			196.66	7.67		
45	196.38	7.85			197.53	7.60		
48	197.59	7.66			198.05	7.56		
50	198.39	7.54			198.39	7.54		
52	199.19	7.41			198.73	7.51		
55	200.39	7.23			199.24	7.47		
60	202.43	6.91			200.11	7.40		
65	204.54	6.58			201.01	7.33		
70	206.76	6.24			201.96	7.25		
75	209.16	5.87			202.98	7.17		
80	211.83	5.45			204.11	7.08		
85	214.94	4.97			205.44	6.98		
90	218.86	4.36			207.11	6.85		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.33</i>	<i>6.69</i>	<i>6.68</i>	<i>SD</i>	<i>0.95</i>	<i>1.66</i>	<i>1.56</i>
10	178.26	7.43	10.58	8.84	189.85	5.60	8.05	7.37
20	185.09	6.74	9.61	8.36	192.70	5.54	7.95	7.39

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Reading Grade 4 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	187.69	6.48	9.25	8.17	193.79	5.52	7.91	7.40
30	190.02	6.25	8.92	8.01	194.76	5.50	7.88	7.41
35	192.18	6.03	8.61	7.86	195.66	5.48	7.85	7.41
40	194.23	5.83	8.32	7.71	196.52	5.47	7.82	7.42
45	196.21	5.63	8.04	7.57	197.35	5.45	7.79	7.43
48	197.38	5.51	7.87	7.49	197.84	5.44	7.77	7.43
50	198.16	5.43	7.76	7.43	198.16	5.43	7.76	7.43
52	198.94	5.36	7.65	7.38	198.49	5.43	7.75	7.44
55	200.11	5.24	7.49	7.30	198.98	5.42	7.73	7.44
60	202.10	5.04	7.21	7.16	199.80	5.40	7.71	7.45
65	204.15	4.83	6.92	7.01	200.66	5.38	7.68	7.45
70	206.31	4.62	6.61	6.86	201.56	5.37	7.65	7.46
75	208.64	4.38	6.28	6.69	202.54	5.35	7.61	7.47
80	211.23	4.12	5.91	6.51	203.62	5.33	7.58	7.48
85	214.26	3.82	5.48	6.30	204.88	5.30	7.53	7.49
90	218.07	3.44	4.94	6.03	206.47	5.27	7.48	7.50

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.10		<i>SD</i>		0.72	
10	184.43		3.53		195.36		2.32	
20	191.01		3.12		198.18		2.32	
25	193.51		2.96		199.26		2.32	
30	195.75		2.82		200.22		2.32	
35	197.83		2.69		201.12		2.33	
40	199.81		2.57		201.97		2.33	
45	201.72		2.45		202.79		2.33	
48	202.85		2.38		203.27		2.33	
50	203.60		2.33		203.60		2.33	
52	204.35		2.28		203.92		2.33	
55	205.47		2.21		204.40		2.33	
60	207.38		2.09		205.22		2.33	
65	209.36		1.97		206.07		2.33	
70	211.44		1.84		206.97		2.34	
75	213.68		1.70		207.93		2.34	
80	216.18		1.54		209.01		2.34	
85	219.10		1.36		210.26		2.34	
90	222.77		1.13		211.83		2.34	

Table D.2.6: Reading Grade 5 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.08</i>			<i>SD</i>	<i>1.33</i>		
10	183.69	9.05			194.99	7.03		
20	190.43	8.17			197.85	6.85		
25	192.99	7.84			198.94	6.78		
30	195.29	7.54			199.91	6.72		
35	197.42	7.27			200.82	6.66		
40	199.44	7.01			201.68	6.61		
45	201.40	6.75			202.51	6.55		
48	202.55	6.60			203.00	6.52		
50	203.32	6.50			203.32	6.50		
52	204.09	6.40			203.65	6.48		
55	205.25	6.25			204.14	6.45		
60	207.20	6.00			204.97	6.40		
65	209.23	5.74			205.83	6.35		
70	211.36	5.46			206.73	6.29		
75	213.66	5.16			207.71	6.23		
80	216.22	4.83			208.79	6.16		
85	219.20	4.44			210.06	6.08		
90	222.96	3.96			211.65	5.98		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.74</i>			<i>SD</i>	<i>1.71</i>		
10	185.88	9.14			197.33	6.67		
20	192.73	8.05			200.25	6.42		
25	195.33	7.63			201.36	6.33		
30	197.67	7.26			202.36	6.25		
35	199.83	6.91			203.28	6.17		
40	201.89	6.59			204.15	6.10		
45	203.88	6.27			205.00	6.03		
48	205.05	6.08			205.50	5.98		
50	205.83	5.96			205.83	5.96		
52	206.62	5.83			206.17	5.93		
55	207.79	5.64			206.67	5.89		
60	209.78	5.33			207.51	5.82		
65	211.83	5.00			208.39	5.74		
70	214.00	4.65			209.31	5.67		
75	216.34	4.28			210.31	5.58		
80	218.94	3.87			211.42	5.49		
85	221.97	3.38			212.71	5.38		
90	225.79	2.77			214.33	5.25		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.39</i>	<i>6.84</i>	<i>7.10</i>	<i>SD</i>	<i>1.01</i>	<i>1.77</i>	<i>1.58</i>
10	186.29	6.08	8.80	6.50	197.64	4.31	6.39	5.62
20	192.94	5.41	7.87	6.14	200.40	4.25	6.29	5.56

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Reading Grade 5 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	195.47	5.16	7.53	6.00	201.45	4.23	6.26	5.54
30	197.74	4.94	7.21	5.88	202.39	4.21	6.23	5.52
35	199.85	4.73	6.92	5.76	203.26	4.20	6.20	5.50
40	201.84	4.53	6.64	5.66	204.09	4.18	6.17	5.48
45	203.78	4.34	6.38	5.55	204.89	4.16	6.14	5.47
48	204.92	4.22	6.22	5.49	205.36	4.15	6.12	5.46
50	205.68	4.15	6.11	5.45	205.68	4.15	6.11	5.45
52	206.44	4.07	6.01	5.41	205.99	4.14	6.10	5.44
55	207.58	3.96	5.85	5.35	206.47	4.13	6.09	5.43
60	209.51	3.77	5.58	5.24	207.27	4.12	6.06	5.41
65	211.51	3.57	5.31	5.13	208.10	4.10	6.03	5.40
70	213.61	3.36	5.02	5.02	208.97	4.08	6.00	5.38
75	215.88	3.13	4.70	4.89	209.91	4.07	5.97	5.36
80	218.41	2.88	4.35	4.76	210.96	4.05	5.93	5.33
85	221.36	2.59	3.94	4.60	212.18	4.02	5.89	5.31
90	225.07	2.22	3.43	4.40	213.72	3.99	5.84	5.28

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.14		<i>SD</i>		0.76	
10	191.04		3.07		201.84		1.92	
20	197.49		2.69		204.58		1.94	
25	199.94		2.55		205.62		1.94	
30	202.14		2.42		206.56		1.95	
35	204.18		2.30		207.42		1.95	
40	206.11		2.18		208.25		1.96	
45	207.98		2.07		209.04		1.96	
48	209.09		2.01		209.51		1.96	
50	209.83		1.97		209.83		1.97	
52	210.56		1.92		210.14		1.97	
55	211.67		1.86		210.61		1.97	
60	213.54		1.75		211.41		1.97	
65	215.47		1.63		212.23		1.98	
70	217.51		1.51		213.09		1.98	
75	219.71		1.39		214.03		1.99	
80	222.16		1.24		215.07		1.99	
85	225.01		1.07		216.29		2.00	
90	228.61		0.86		217.82		2.01	

Table D.2.7: Reading Grade 6 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.23</i>			<i>SD</i>	<i>1.68</i>		
10	189.87	7.52			201.27	5.14		
20	196.64	6.52			204.13	4.96		
25	199.22	6.14			205.22	4.89		
30	201.53	5.80			206.19	4.82		
35	203.67	5.48			207.10	4.77		
40	205.70	5.18			207.95	4.71		
45	207.67	4.89			208.78	4.66		
48	208.83	4.72			209.27	4.63		
50	209.60	4.61			209.60	4.61		
52	210.37	4.49			209.93	4.59		
55	211.54	4.32			210.42	4.56		
60	213.50	4.03			211.25	4.50		
65	215.53	3.73			212.11	4.45		
70	217.67	3.42			213.01	4.39		
75	219.99	3.08			213.99	4.33		
80	222.56	2.70			215.07	4.26		
85	225.56	2.25			216.34	4.18		
90	229.33	1.70			217.93	4.08		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.87</i>			<i>SD</i>	<i>2.08</i>		
10	191.15	8.01			202.83	5.11		
20	198.15	6.70			205.82	4.80		
25	200.81	6.21			206.96	4.68		
30	203.20	5.76			207.98	4.57		
35	205.42	5.35			208.93	4.47		
40	207.52	4.95			209.83	4.38		
45	209.55	4.58			210.69	4.29		
48	210.75	4.35			211.21	4.24		
50	211.55	4.20			211.55	4.20		
52	212.35	4.05			211.89	4.17		
55	213.55	3.83			212.40	4.11		
60	215.58	3.45			213.27	4.02		
65	217.68	3.06			214.17	3.93		
70	219.90	2.64			215.12	3.83		
75	222.29	2.20			216.14	3.72		
80	224.95	1.70			217.28	3.61		
85	228.05	1.12			218.60	3.47		
90	231.95	0.39			220.27	3.30		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.42</i>	<i>6.91</i>	<i>7.17</i>	<i>SD</i>	<i>1.09</i>	<i>1.91</i>	<i>1.84</i>
10	191.84	5.10	7.34	5.93	202.90	3.34	4.97	4.52
20	198.41	4.45	6.46	5.48	205.68	3.30	4.90	4.55

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Reading Grade 6 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	200.91	4.21	6.12	5.31	206.73	3.28	4.87	4.56
30	203.15	3.99	5.82	5.15	207.68	3.27	4.85	4.58
35	205.23	3.79	5.54	5.01	208.56	3.26	4.83	4.59
40	207.20	3.59	5.27	4.88	209.39	3.24	4.80	4.60
45	209.11	3.41	5.02	4.74	210.19	3.23	4.78	4.61
48	210.24	3.30	4.87	4.67	210.67	3.23	4.77	4.61
50	210.99	3.22	4.76	4.62	210.99	3.22	4.76	4.62
52	211.74	3.15	4.66	4.56	211.30	3.22	4.76	4.62
55	212.86	3.04	4.51	4.49	211.78	3.21	4.74	4.63
60	214.77	2.85	4.25	4.36	212.59	3.20	4.72	4.64
65	216.74	2.66	3.99	4.22	213.42	3.19	4.70	4.65
70	218.82	2.45	3.71	4.08	214.30	3.17	4.68	4.66
75	221.06	2.24	3.41	3.92	215.24	3.16	4.66	4.67
80	223.56	1.99	3.07	3.75	216.30	3.15	4.63	4.68
85	226.47	1.71	2.68	3.55	217.53	3.13	4.60	4.70
90	230.13	1.35	2.19	3.30	219.07	3.11	4.56	4.71

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.16		<i>SD</i>		0.82	
10	195.59		2.58		206.12		1.45	
20	201.98		2.22		208.89		1.48	
25	204.41		2.09		209.95		1.49	
30	206.59		1.97		210.90		1.50	
35	208.61		1.85		211.78		1.51	
40	210.53		1.75		212.61		1.52	
45	212.38		1.64		213.41		1.53	
48	213.48		1.58		213.89		1.54	
50	214.21		1.54		214.21		1.54	
52	214.94		1.50		214.53		1.55	
55	216.03		1.44		215.00		1.55	
60	217.89		1.34		215.81		1.56	
65	219.81		1.23		216.64		1.57	
70	221.83		1.12		217.52		1.58	
75	224.01		1.00		218.47		1.59	
80	226.44		0.86		219.52		1.61	
85	229.27		0.70		220.75		1.62	
90	232.83		0.50		222.30		1.64	

Table D.2.8: Reading Grade 7 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.87</i>			<i>SD</i>	<i>1.48</i>		
10	192.96	6.29			204.21	4.50		
20	199.82	5.49			207.20	4.32		
25	202.43	5.19			208.34	4.25		
30	204.77	4.92			209.37	4.19		
35	206.93	4.67			210.31	4.13		
40	208.99	4.43			211.21	4.07		
45	210.98	4.20			212.08	4.02		
48	212.16	4.06			212.60	3.99		
50	212.94	3.97			212.94	3.97		
52	213.72	3.88			213.28	3.95		
55	214.90	3.74			213.80	3.92		
60	216.89	3.51			214.67	3.87		
65	218.95	3.27			215.57	3.81		
70	221.12	3.02			216.52	3.75		
75	223.46	2.75			217.54	3.69		
80	226.06	2.45			218.68	3.62		
85	229.10	2.10			220.00	3.54		
90	232.92	1.65			221.68	3.44		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>6.57</i>		<i>SD</i>		<i>1.94</i>	
10	193.59		7.10		205.16		4.80	
20	200.71		5.97		208.31		4.47	
25	203.41		5.55		209.50		4.34	
30	205.84		5.16		210.58		4.23	
35	208.09		4.81		211.57		4.12	
40	210.23		4.47		212.52		4.02	
45	212.30		4.15		213.43		3.92	
48	213.52		3.95		213.97		3.86	
50	214.33		3.83		214.33		3.83	
52	215.14		3.70		214.69		3.79	
55	216.37		3.51		215.23		3.73	
60	218.43		3.18		216.15		3.63	
65	220.57		2.84		217.09		3.53	
70	222.82		2.49		218.09		3.43	
75	225.25		2.10		219.16		3.31	
80	227.96		1.68		220.36		3.18	
85	231.11		1.18		221.75		3.04	
90	235.08		0.56		223.51		2.85	

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.42</i>	<i>6.87</i>	<i>6.77</i>	<i>SD</i>	<i>1.04</i>	<i>1.83</i>	<i>1.67</i>
10	194.82	4.19	6.04	5.02	206.03	2.56	3.88	3.89
20	201.56	3.60	5.24	4.64	208.92	2.53	3.82	3.91

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Reading Grade 7 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	204.12	3.37	4.94	4.50	210.02	2.51	3.80	3.91
30	206.42	3.17	4.67	4.38	211.00	2.50	3.78	3.92
35	208.55	2.98	4.41	4.26	211.92	2.49	3.76	3.92
40	210.57	2.80	4.17	4.15	212.78	2.48	3.74	3.92
45	212.52	2.63	3.94	4.04	213.62	2.47	3.73	3.93
48	213.68	2.53	3.80	3.97	214.12	2.47	3.72	3.93
50	214.45	2.46	3.71	3.93	214.45	2.46	3.71	3.93
52	215.22	2.40	3.62	3.89	214.78	2.46	3.70	3.93
55	216.37	2.29	3.48	3.83	215.27	2.45	3.69	3.94
60	218.33	2.12	3.25	3.72	216.11	2.44	3.68	3.94
65	220.35	1.94	3.01	3.61	216.98	2.43	3.66	3.94
70	222.48	1.76	2.75	3.49	217.89	2.42	3.64	3.95
75	224.78	1.56	2.48	3.36	218.88	2.41	3.62	3.95
80	227.34	1.33	2.18	3.22	219.97	2.40	3.60	3.96
85	230.32	1.07	1.82	3.05	221.25	2.38	3.57	3.96
90	234.07	0.74	1.38	2.85	222.86	2.36	3.54	3.97

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.15		<i>SD</i>		0.78	
10	197.71		2.20		208.49		1.16	
20	204.30		1.87		211.38		1.19	
25	206.81		1.75		212.48		1.20	
30	209.06		1.64		213.46		1.21	
35	211.14		1.53		214.38		1.22	
40	213.12		1.44		215.25		1.23	
45	215.03		1.34		216.09		1.24	
48	216.16		1.28		216.58		1.24	
50	216.91		1.25		216.91		1.25	
52	217.66		1.21		217.24		1.25	
55	218.79		1.15		217.74		1.26	
60	220.71		1.06		218.58		1.26	
65	222.68		0.96		219.44		1.27	
70	224.77		0.86		220.36		1.28	
75	227.02		0.75		221.34		1.29	
80	229.52		0.62		222.44		1.30	
85	232.44		0.48		223.72		1.32	
90	236.11		0.29		225.33		1.33	

Table D.2.9: Reading Grade 8 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.68</i>			<i>SD</i>	<i>1.76</i>		
10	195.64	5.71			206.19	3.69		
20	202.48	4.96			209.41	3.63		
25	205.08	4.67			210.63	3.61		
30	207.41	4.42			211.73	3.59		
35	209.57	4.18			212.75	3.57		
40	211.62	3.96			213.71	3.56		
45	213.61	3.74			214.64	3.54		
48	214.78	3.61			215.20	3.53		
50	215.56	3.53			215.56	3.53		
52	216.34	3.44			215.93	3.52		
55	217.52	3.31			216.48	3.51		
60	219.50	3.09			217.41	3.49		
65	221.55	2.87			218.38	3.48		
70	223.71	2.63			219.40	3.46		
75	226.05	2.38			220.49	3.44		
80	228.64	2.09			221.71	3.42		
85	231.67	1.76			223.14	3.39		
90	235.48	1.34			224.93	3.36		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>7.96</i>		<i>SD</i>		<i>2.23</i>	
10	196.62		6.08		207.55		3.36	
20	203.61		5.05		210.79		3.27	
25	206.27		4.66		212.02		3.23	
30	208.65		4.31		213.13		3.20	
35	210.86		3.99		214.15		3.17	
40	212.96		3.68		215.12		3.14	
45	214.99		3.38		216.06		3.12	
48	216.19		3.21		216.62		3.10	
50	216.99		3.09		216.99		3.09	
52	217.78		2.97		217.35		3.08	
55	218.98		2.80		217.91		3.06	
60	221.01		2.50		218.85		3.03	
65	223.11		2.19		219.82		3.01	
70	225.32		1.87		220.84		2.98	
75	227.71		1.52		221.95		2.94	
80	230.36		1.13		223.18		2.91	
85	233.46		0.67		224.61		2.87	
90	237.35		0.10		226.42		2.81	

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.85</i>	<i>7.91</i>	<i>7.83</i>	<i>SD</i>	<i>1.27</i>	<i>2.23</i>	<i>1.97</i>
10	197.10	3.78	5.56	3.05	207.67	2.08	3.25	2.81
20	204.01	3.12	4.62	3.07	210.95	2.00	3.11	2.92

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Reading Grade 8 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	206.64	2.87	4.27	3.08	212.20	1.97	3.05	2.96
30	209.00	2.64	3.95	3.09	213.32	1.94	3.00	2.99
35	211.18	2.43	3.65	3.10	214.36	1.92	2.96	3.03
40	213.26	2.23	3.37	3.11	215.35	1.89	2.92	3.06
45	215.26	2.04	3.10	3.12	216.30	1.87	2.88	3.09
48	216.45	1.92	2.94	3.12	216.87	1.86	2.85	3.11
50	217.24	1.85	2.83	3.12	217.24	1.85	2.83	3.12
52	218.03	1.77	2.73	3.13	217.61	1.84	2.82	3.14
55	219.21	1.66	2.57	3.13	218.18	1.82	2.79	3.16
60	221.22	1.47	2.30	3.14	219.13	1.80	2.75	3.19
65	223.30	1.27	2.02	3.15	220.12	1.78	2.71	3.22
70	225.48	1.06	1.72	3.16	221.16	1.75	2.67	3.25
75	227.84	0.83	1.40	3.17	222.28	1.72	2.62	3.29
80	230.47	0.58	1.05	3.18	223.52	1.69	2.56	3.33
85	233.53	0.28	0.63	3.19	224.98	1.66	2.50	3.38
90	237.38	-0.09	0.11	3.20	226.81	1.61	2.42	3.44

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.45		<i>SD</i>		0.97	
10	199.40		1.77		209.61		0.95	
20	206.16		1.50		212.87		0.96	
25	208.72		1.40		214.10		0.97	
30	211.03		1.31		215.21		0.97	
35	213.17		1.22		216.24		0.98	
40	215.19		1.14		217.21		0.98	
45	217.16		1.06		218.16		0.98	
48	218.32		1.02		218.72		0.99	
50	219.09		0.99		219.09		0.99	
52	219.86		0.96		219.46		0.99	
55	221.02		0.91		220.02		0.99	
60	222.98		0.83		220.96		0.99	
65	225.01		0.75		221.94		1.00	
70	227.15		0.66		222.96		1.00	
75	229.45		0.57		224.07		1.01	
80	232.02		0.47		225.31		1.01	
85	235.01		0.35		226.75		1.02	
90	238.78		0.20		228.56		1.02	

Table D.2.10: Reading Grade 9 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	7.26			<i>SD</i>	2.16		
10	199.00	4.65			210.06	2.40		
20	205.99	3.71			213.25	2.23		
25	208.65	3.35			214.47	2.16		
30	211.04	3.03			215.56	2.10		
35	213.25	2.73			216.57	2.05		
40	215.34	2.44			217.53	2.00		
45	217.37	2.17			218.46	1.95		
48	218.57	2.01			219.01	1.92		
50	219.37	1.90			219.37	1.90		
52	220.17	1.79			219.74	1.88		
55	221.37	1.63			220.29	1.85		
60	223.40	1.35			221.21	1.80		
65	225.50	1.07			222.17	1.74		
70	227.71	0.77			223.18	1.69		
75	230.09	0.45			224.27	1.63		
80	232.75	0.09			225.49	1.56		
85	235.85	-0.33			226.91	1.49		
90	239.74	-0.86			228.69	1.39		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	8.32			<i>SD</i>	2.67		
10	199.09	4.95			210.67	2.33		
20	206.41	3.75			214.01	2.04		
25	209.18	3.30			215.28	1.93		
30	211.68	2.90			216.42	1.83		
35	213.99	2.52			217.47	1.73		
40	216.18	2.16			218.47	1.64		
45	218.31	1.82			219.44	1.56		
48	219.56	1.61			220.01	1.51		
50	220.40	1.48			220.40	1.48		
52	221.23	1.34			220.78	1.44		
55	222.48	1.14			221.35	1.39		
60	224.61	0.79			222.32	1.31		
65	226.80	0.43			223.32	1.22		
70	229.11	0.06			224.37	1.13		
75	231.61	-0.35			225.51	1.02		
80	234.38	-0.80			226.78	0.91		
85	237.62	-1.33			228.26	0.78		
90	241.70	-2.00			230.12	0.62		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	6.19	8.65	7.84	<i>SD</i>	1.32	2.32	2.17
10	200.12	2.88	4.18	2.17	211.08	1.12	1.77	1.58
20	207.02	2.25	3.31	2.09	214.21	1.10	1.73	1.70

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Reading Grade 9 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	209.64	2.01	2.98	2.05	215.41	1.09	1.71	1.74
30	211.99	1.80	2.69	2.03	216.48	1.08	1.70	1.78
35	214.17	1.60	2.41	2.00	217.47	1.07	1.69	1.82
40	216.24	1.41	2.15	1.97	218.41	1.07	1.68	1.86
45	218.24	1.23	1.90	1.95	219.32	1.06	1.67	1.89
48	219.43	1.12	1.75	1.94	219.86	1.06	1.66	1.91
50	220.22	1.05	1.66	1.93	220.22	1.05	1.66	1.93
52	221.00	0.98	1.56	1.92	220.57	1.05	1.65	1.94
55	222.19	0.87	1.41	1.90	221.11	1.05	1.64	1.96
60	224.19	0.69	1.16	1.88	222.02	1.04	1.63	2.00
65	226.26	0.51	0.90	1.85	222.96	1.03	1.62	2.03
70	228.44	0.31	0.62	1.83	223.96	1.03	1.61	2.07
75	230.79	0.09	0.33	1.80	225.03	1.02	1.60	2.11
80	233.41	-0.14	-0.00	1.77	226.22	1.01	1.58	2.16
85	236.47	-0.42	-0.39	1.73	227.61	1.00	1.56	2.21
90	240.31	-0.77	-0.87	1.68	229.36	0.99	1.54	2.28

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>5.67</i>		<i>SD</i>		<i>0.98</i>	
10	201.35		1.06		212.04		0.42	
20	208.19		0.90		215.21		0.48	
25	210.78		0.84		216.41		0.50	
30	213.12		0.79		217.49		0.53	
35	215.28		0.74		218.49		0.55	
40	217.33		0.69		219.44		0.57	
45	219.32		0.65		220.36		0.58	
48	220.49		0.62		220.91		0.59	
50	221.27		0.60		221.27		0.60	
52	222.05		0.58		221.63		0.61	
55	223.22		0.56		222.17		0.62	
60	225.21		0.51		223.09		0.64	
65	227.26		0.47		224.04		0.66	
70	229.42		0.42		225.05		0.68	
75	231.75		0.36		226.13		0.70	
80	234.35		0.30		227.33		0.72	
85	237.38		0.23		228.74		0.75	
90	241.19		0.15		230.50		0.79	

Table D.2.11: Reading Grade 10 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>7.21</i>			<i>SD</i>	<i>2.03</i>		
10	197.49	4.22			208.18	2.69		
20	204.90	3.44			211.91	2.44		
25	207.71	3.14			213.33	2.34		
30	210.23	2.88			214.61	2.26		
35	212.58	2.63			215.79	2.18		
40	214.80	2.40			216.91	2.10		
45	216.95	2.18			217.99	2.03		
48	218.22	2.04			218.63	1.98		
50	219.06	1.95			219.06	1.95		
52	219.90	1.87			219.49	1.93		
55	221.17	1.73			220.13	1.88		
60	223.32	1.51			221.21	1.81		
65	225.54	1.27			222.33	1.73		
70	227.89	1.03			223.51	1.65		
75	230.41	0.76			224.79	1.57		
80	233.22	0.47			226.21	1.47		
85	236.50	0.13			227.86	1.36		
90	240.63	-0.31			229.94	1.22		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>9.13</i>		<i>SD</i>		<i>2.79</i>	
10	196.61		5.47		208.14		2.93	
20	204.45		4.18		212.03		2.51	
25	207.43		3.69		213.51		2.35	
30	210.11		3.25		214.83		2.21	
35	212.59		2.85		216.06		2.08	
40	214.95		2.46		217.23		1.96	
45	217.22		2.08		218.36		1.84	
48	218.57		1.86		219.02		1.76	
50	219.47		1.72		219.47		1.72	
52	220.36		1.57		219.91		1.67	
55	221.71		1.35		220.58		1.60	
60	223.99		0.97		221.71		1.48	
65	226.34		0.59		222.87		1.35	
70	228.82		0.18		224.10		1.22	
75	231.50		-0.26		225.43		1.08	
80	234.48		-0.75		226.90		0.92	
85	237.95		-1.32		228.63		0.73	
90	242.33		-2.04		230.79		0.50	

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.55</i>	<i>9.42</i>	<i>8.34</i>	<i>SD</i>	<i>1.58</i>	<i>2.77</i>	<i>2.27</i>
10	198.84	2.48	3.47	0.31	209.95	0.78	1.11	0.72
20	206.26	1.83	2.53	0.51	213.56	0.71	0.98	0.77

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Reading Grade 10 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	209.08	1.58	2.17	0.58	214.92	0.68	0.93	0.79
30	211.61	1.35	1.85	0.64	216.15	0.66	0.89	0.81
35	213.95	1.15	1.56	0.70	217.29	0.63	0.85	0.83
40	216.17	0.95	1.28	0.76	218.37	0.61	0.81	0.84
45	218.33	0.76	1.01	0.82	219.42	0.59	0.77	0.86
48	219.60	0.65	0.85	0.85	220.03	0.58	0.75	0.86
50	220.44	0.57	0.74	0.87	220.44	0.57	0.74	0.87
52	221.29	0.50	0.63	0.89	220.85	0.56	0.72	0.88
55	222.56	0.38	0.47	0.93	221.47	0.55	0.70	0.89
60	224.71	0.19	0.20	0.98	222.52	0.53	0.67	0.90
65	226.94	-0.00	-0.08	1.04	223.60	0.51	0.63	0.92
70	229.28	-0.21	-0.38	1.10	224.74	0.48	0.59	0.93
75	231.81	-0.44	-0.70	1.16	225.96	0.46	0.54	0.95
80	234.63	-0.69	-1.05	1.24	227.33	0.43	0.50	0.97
85	237.91	-0.98	-1.47	1.32	228.93	0.40	0.44	0.99
90	242.04	-1.34	-1.99	1.43	230.93	0.36	0.37	1.02

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.90		<i>SD</i>		1.19	
10	199.61		0.48		210.54		0.03	
20	206.96		0.37		214.13		0.08	
25	209.75		0.33		215.50		0.10	
30	212.26		0.30		216.73		0.11	
35	214.58		0.26		217.86		0.13	
40	216.78		0.23		218.94		0.14	
45	218.92		0.20		219.99		0.15	
48	220.18		0.18		220.60		0.16	
50	221.01		0.17		221.01		0.17	
52	221.85		0.16		221.42		0.17	
55	223.11		0.14		222.04		0.18	
60	225.25		0.11		223.09		0.20	
65	227.45		0.07		224.16		0.21	
70	229.77		0.04		225.30		0.22	
75	232.28		0.00		226.53		0.24	
80	235.07		-0.04		227.89		0.26	
85	238.32		-0.09		229.49		0.28	
90	242.42		-0.15		231.49		0.31	

Appendix D.3 - Language Usage

Table D.3.1: Language Usage Grade 2 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>6.31</i>			<i>SD</i>	<i>2.34</i>		
10	146.42	20.60			160.04	16.95		
20	154.37	18.81			163.31	16.41		
25	157.38	18.13			164.55	16.21		
30	160.09	17.52			165.66	16.02		
35	162.60	16.95			166.70	15.85		
40	164.98	16.41			167.68	15.69		
45	167.29	15.89			168.62	15.54		
48	168.65	15.59			169.19	15.44		
50	169.56	15.38			169.56	15.38		
52	170.46	15.18			169.93	15.32		
55	171.83	14.87			170.49	15.23		
60	174.13	14.35			171.44	15.07		
65	176.51	13.81			172.42	14.91		
70	179.02	13.25			173.45	14.74		
75	181.73	12.64			174.57	14.56		
80	184.75	11.96			175.81	14.35		
85	188.27	11.16			177.25	14.11		
90	192.69	10.16			179.07	13.82		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>		<i>7.12</i>		<i>SD</i>		<i>2.69</i>	
10	151.23		20.86		166.15		15.47	
20	159.90		18.23		169.70		14.69	
25	163.20		17.23		171.05		14.39	
30	166.16		16.33		172.26		14.12	
35	168.90		15.49		173.39		13.87	
40	171.50		14.70		174.45		13.64	
45	174.02		13.94		175.48		13.41	
48	175.51		13.49		176.09		13.27	
50	176.50		13.18		176.50		13.18	
52	177.49		12.88		176.90		13.10	
55	178.98		12.43		177.51		12.96	
60	181.49		11.67		178.54		12.73	
65	184.10		10.88		179.61		12.50	
70	186.84		10.04		180.73		12.25	
75	189.80		9.14		181.94		11.98	
80	193.09		8.14		183.29		11.68	
85	196.94		6.98		184.87		11.34	
90	201.77		5.51		186.85		10.90	

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>6.11</i>	<i>8.98</i>	<i>8.92</i>	<i>SD</i>	<i>1.48</i>	<i>2.59</i>	<i>2.53</i>

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Language Usage Grade 2 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
10	153.26	13.65	20.28	19.19	166.02	10.65	15.55	15.39
20	160.56	12.54	18.53	17.68	168.93	10.57	15.42	15.19
25	163.33	12.12	17.86	17.11	170.04	10.54	15.37	15.11
30	165.82	11.74	17.26	16.60	171.04	10.52	15.33	15.04
35	168.12	11.39	16.71	16.12	171.96	10.49	15.28	14.98
40	170.31	11.06	16.18	15.67	172.83	10.47	15.25	14.92
45	172.43	10.74	15.67	15.23	173.68	10.45	15.21	14.86
48	173.68	10.55	15.37	14.98	174.18	10.44	15.18	14.83
50	174.51	10.43	15.17	14.80	174.51	10.43	15.17	14.80
52	175.34	10.30	14.97	14.63	174.85	10.42	15.16	14.78
55	176.60	10.11	14.67	14.37	175.35	10.41	15.13	14.75
60	178.71	9.79	14.16	13.94	176.19	10.38	15.09	14.69
65	180.90	9.46	13.63	13.49	177.07	10.36	15.06	14.63
70	183.21	9.11	13.08	13.01	177.99	10.34	15.01	14.56
75	185.70	8.73	12.48	12.50	178.99	10.31	14.97	14.49
80	188.47	8.31	11.81	11.92	180.09	10.28	14.92	14.42
85	191.70	7.82	11.04	11.26	181.38	10.25	14.86	14.33
90	195.76	7.21	10.06	10.42	183.01	10.21	14.79	14.22
Start %ile	RIT	Student Growth			RIT	School Growth		
	Winter	Winter	Spring	N Fall	Winter	Winter	Spring	N Fall
	<i>SD</i>		5.62		<i>SD</i>		1.11	
10	165.28		5.93		176.45		4.59	
20	172.03		5.52		179.36		4.64	
25	174.59		5.37		180.47		4.66	
30	176.90		5.23		181.46		4.68	
35	179.03		5.10		182.39		4.70	
40	181.05		4.98		183.26		4.71	
45	183.01		4.86		184.11		4.73	
48	184.17		4.79		184.61		4.74	
50	184.94		4.74		184.94		4.74	
52	185.71		4.70		185.27		4.75	
55	186.87		4.63		185.77		4.76	
60	188.83		4.51		186.62		4.77	
65	190.85		4.39		187.49		4.79	
70	192.98		4.26		188.42		4.81	
75	195.29		4.12		189.41		4.83	
80	197.85		3.96		190.52		4.85	
85	200.84		3.78		191.81		4.87	
90	204.60		3.55		193.43		4.90	

Table D.3.2: Language Usage Grade 3 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>5.79</i>			<i>SD</i>	<i>1.62</i>		
10	164.59	15.57			176.45	12.78		
20	171.51	14.38			179.30	12.54		
25	174.14	13.92			180.38	12.45		
30	176.50	13.51			181.35	12.37		
35	178.69	13.13			182.25	12.29		
40	180.76	12.77			183.11	12.22		
45	182.77	12.43			183.93	12.15		
48	183.96	12.22			184.42	12.11		
50	184.75	12.09			184.75	12.09		
52	185.54	11.95			185.07	12.06		
55	186.73	11.74			185.56	12.02		
60	188.73	11.40			186.39	11.95		
65	190.81	11.04			187.25	11.88		
70	193.00	10.66			188.15	11.80		
75	195.36	10.25			189.12	11.72		
80	197.99	9.79			190.20	11.63		
85	201.05	9.26			191.46	11.53		
90	204.90	8.60			193.05	11.39		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>6.37</i>			<i>SD</i>	<i>2.10</i>		
10	168.99	14.85			180.82	11.64		
20	176.04	13.35			183.81	11.24		
25	178.71	12.77			184.94	11.08		
30	181.12	12.26			185.96	10.95		
35	183.34	11.78			186.90	10.82		
40	185.46	11.33			187.79	10.70		
45	187.50	10.90			188.66	10.58		
48	188.71	10.64			189.17	10.51		
50	189.51	10.47			189.51	10.47		
52	190.32	10.29			189.85	10.42		
55	191.53	10.04			190.37	10.35		
60	193.57	9.60			191.23	10.23		
65	195.68	9.15			192.13	10.11		
70	197.91	8.67			193.07	9.98		
75	200.31	8.16			194.09	9.85		
80	202.99	7.59			195.22	9.69		
85	206.11	6.92			196.54	9.52		
90	210.03	6.08			198.20	9.29		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.25</i>	<i>7.09</i>	<i>7.41</i>	<i>SD</i>	<i>1.26</i>	<i>2.21</i>	<i>1.96</i>
10	169.93	9.95	14.41	12.28	181.34	7.77	11.17	10.25
20	176.62	9.08	13.09	11.46	184.11	7.65	10.97	10.13

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Language Usage Grade 3 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	179.16	8.75	12.59	11.15	185.16	7.61	10.89	10.08
30	181.44	8.46	12.14	10.87	186.11	7.57	10.82	10.04
35	183.55	8.18	11.72	10.61	186.98	7.53	10.75	10.00
40	185.56	7.92	11.33	10.37	187.81	7.49	10.69	9.97
45	187.50	7.67	10.95	10.13	188.62	7.46	10.63	9.93
48	188.65	7.52	10.72	9.99	189.09	7.44	10.59	9.91
50	189.41	7.42	10.57	9.90	189.41	7.42	10.57	9.90
52	190.17	7.33	10.42	9.80	189.72	7.41	10.55	9.88
55	191.32	7.18	10.19	9.66	190.20	7.39	10.51	9.86
60	193.26	6.93	9.81	9.43	191.00	7.36	10.45	9.83
65	195.27	6.67	9.41	9.18	191.83	7.32	10.39	9.79
70	197.38	6.39	9.00	8.92	192.71	7.28	10.32	9.75
75	199.66	6.10	8.55	8.65	193.65	7.24	10.25	9.71
80	202.20	5.77	8.05	8.34	194.71	7.20	10.17	9.67
85	205.16	5.39	7.46	7.97	195.93	7.15	10.08	9.61
90	208.89	4.90	6.73	7.52	197.48	7.08	9.97	9.55

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		4.95		<i>SD</i>		0.97	
10	178.59		4.46		188.94		3.15	
20	184.85		4.01		191.65		3.15	
25	187.23		3.84		192.68		3.15	
30	189.37		3.68		193.61		3.15	
35	191.35		3.54		194.46		3.15	
40	193.23		3.40		195.27		3.15	
45	195.05		3.27		196.06		3.15	
48	196.12		3.20		196.53		3.14	
50	196.83		3.14		196.83		3.14	
52	197.55		3.09		197.14		3.14	
55	198.62		3.02		197.61		3.14	
60	200.44		2.89		198.39		3.14	
65	202.32		2.75		199.21		3.14	
70	204.30		2.61		200.06		3.14	
75	206.44		2.45		200.99		3.14	
80	208.81		2.28		202.02		3.14	
85	211.59		2.08		203.21		3.14	
90	215.08		1.83		204.72		3.14	

Table D.3.3: Language Usage Grade 4 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.42</i>			<i>SD</i>	<i>1.43</i>		
10	177.40	10.71			188.58	8.49		
20	183.97	9.73			191.31	8.28		
25	186.46	9.36			192.35	8.19		
30	188.71	9.03			193.28	8.12		
35	190.78	8.72			194.15	8.05		
40	192.76	8.43			194.97	7.99		
45	194.66	8.15			195.76	7.93		
48	195.79	7.98			196.23	7.89		
50	196.54	7.87			196.54	7.87		
52	197.29	7.76			196.85	7.84		
55	198.42	7.59			197.32	7.81		
60	200.33	7.31			198.12	7.75		
65	202.30	7.01			198.94	7.68		
70	204.38	6.71			199.80	7.61		
75	206.62	6.37			200.73	7.54		
80	209.11	6.00			201.77	7.46		
85	212.02	5.57			202.98	7.37		
90	215.69	5.03			204.50	7.25		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.97</i>			<i>SD</i>	<i>1.84</i>		
10	180.59	10.38			191.72	7.76		
20	187.20	9.17			194.50	7.45		
25	189.71	8.71			195.56	7.33		
30	191.96	8.30			196.51	7.23		
35	194.05	7.92			197.39	7.13		
40	196.03	7.56			198.23	7.04		
45	197.95	7.20			199.04	6.95		
48	199.08	7.00			199.52	6.89		
50	199.83	6.86			199.83	6.86		
52	200.59	6.72			200.15	6.82		
55	201.72	6.51			200.63	6.77		
60	203.64	6.16			201.44	6.68		
65	205.62	5.80			202.27	6.59		
70	207.71	5.42			203.16	6.49		
75	209.96	5.00			204.11	6.38		
80	212.47	4.54			205.16	6.26		
85	215.40	4.01			206.40	6.13		
90	219.08	3.34			207.95	5.95		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>4.96</i>	<i>6.39</i>	<i>6.56</i>	<i>SD</i>	<i>1.00</i>	<i>1.75</i>	<i>1.62</i>
10	180.04	7.82	11.20	8.91	191.09	5.86	8.35	7.32
20	186.49	7.05	10.05	8.27	193.75	5.76	8.18	7.23

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Language Usage Grade 4 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	188.94	6.76	9.62	8.03	194.76	5.73	8.12	7.19
30	191.14	6.50	9.23	7.81	195.66	5.69	8.06	7.16
35	193.18	6.25	8.87	7.61	196.50	5.66	8.01	7.13
40	195.12	6.02	8.52	7.42	197.30	5.64	7.96	7.11
45	196.99	5.80	8.19	7.24	198.07	5.61	7.91	7.08
48	198.09	5.67	7.99	7.13	198.53	5.59	7.88	7.06
50	198.83	5.58	7.86	7.05	198.83	5.58	7.86	7.05
52	199.56	5.49	7.73	6.98	199.13	5.57	7.84	7.04
55	200.67	5.36	7.54	6.87	199.59	5.55	7.82	7.03
60	202.54	5.14	7.20	6.69	200.36	5.52	7.77	7.00
65	204.48	4.91	6.86	6.50	201.16	5.50	7.72	6.97
70	206.52	4.66	6.50	6.30	202.00	5.47	7.66	6.94
75	208.72	4.40	6.11	6.08	202.90	5.43	7.61	6.91
80	211.17	4.11	5.67	5.84	203.91	5.40	7.54	6.88
85	214.02	3.77	5.16	5.56	205.09	5.35	7.47	6.84
90	217.61	3.34	4.53	5.20	206.57	5.30	7.37	6.79

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		4.73		<i>SD</i>		0.77	
10	186.69		3.60		196.84		2.33	
20	192.77		3.15		199.44		2.31	
25	195.08		2.98		200.43		2.31	
30	197.16		2.82		201.31		2.30	
35	199.08		2.68		202.13		2.30	
40	200.91		2.54		202.91		2.29	
45	202.67		2.41		203.67		2.29	
48	203.72		2.33		204.11		2.29	
50	204.41		2.28		204.41		2.28	
52	205.10		2.23		204.71		2.28	
55	206.15		2.15		205.15		2.28	
60	207.91		2.02		205.91		2.27	
65	209.74		1.89		206.69		2.27	
70	211.66		1.74		207.51		2.27	
75	213.74		1.59		208.39		2.26	
80	216.05		1.42		209.38		2.25	
85	218.74		1.22		210.53		2.25	
90	222.13		0.96		211.98		2.24	

Table D.3.4: Language Usage Grade 5 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.68</i>			<i>SD</i>	<i>1.60</i>		
10	185.83	8.56			196.53	6.35		
20	192.07	7.58			199.10	6.12		
25	194.44	7.20			200.08	6.04		
30	196.57	6.87			200.95	5.96		
35	198.55	6.55			201.76	5.89		
40	200.42	6.26			202.53	5.82		
45	202.23	5.97			203.28	5.76		
48	203.30	5.80			203.72	5.72		
50	204.01	5.69			204.01	5.69		
52	204.72	5.58			204.30	5.66		
55	205.79	5.41			204.75	5.63		
60	207.61	5.12			205.49	5.56		
65	209.48	4.83			206.26	5.49		
70	211.45	4.52			207.07	5.42		
75	213.58	4.18			207.95	5.34		
80	215.95	3.80			208.92	5.26		
85	218.71	3.37			210.06	5.16		
90	222.19	2.82			211.49	5.03		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.18</i>			<i>SD</i>	<i>1.92</i>		
10	188.04	8.49			198.71	5.97		
20	194.35	7.31			201.35	5.66		
25	196.75	6.86			202.36	5.53		
30	198.90	6.46			203.26	5.43		
35	200.89	6.08			204.10	5.33		
40	202.79	5.73			204.89	5.23		
45	204.62	5.39			205.66	5.14		
48	205.70	5.18			206.12	5.08		
50	206.42	5.05			206.42	5.05		
52	207.14	4.91			206.72	5.01		
55	208.22	4.71			207.17	4.96		
60	210.05	4.37			207.94	4.86		
65	211.94	4.01			208.74	4.77		
70	213.94	3.64			209.57	4.67		
75	216.09	3.23			210.48	4.56		
80	218.49	2.78			211.48	4.44		
85	221.28	2.26			212.66	4.30		
90	224.79	1.60			214.13	4.12		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>4.96</i>	<i>6.37</i>	<i>6.92</i>	<i>SD</i>	<i>0.97</i>	<i>1.70</i>	<i>1.83</i>
10	187.86	6.13	8.81	6.65	198.46	4.23	6.12	5.29
20	193.96	5.42	7.79	6.16	200.92	4.18	6.02	5.27

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Language Usage Grade 5 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	196.28	5.15	7.40	5.98	201.86	4.16	5.98	5.26
30	198.36	4.91	7.05	5.81	202.70	4.14	5.95	5.26
35	200.29	4.69	6.73	5.66	203.48	4.12	5.92	5.25
40	202.12	4.48	6.42	5.51	204.22	4.10	5.89	5.24
45	203.89	4.27	6.12	5.37	204.93	4.08	5.86	5.24
48	204.94	4.15	5.95	5.29	205.35	4.07	5.84	5.24
50	205.63	4.07	5.83	5.23	205.63	4.07	5.83	5.23
52	206.33	3.99	5.71	5.18	205.92	4.06	5.82	5.23
55	207.38	3.87	5.54	5.09	206.34	4.05	5.80	5.23
60	209.15	3.66	5.24	4.95	207.05	4.04	5.77	5.22
65	210.98	3.45	4.93	4.81	207.79	4.02	5.74	5.22
70	212.91	3.23	4.61	4.66	208.57	4.00	5.71	5.21
75	214.99	2.98	4.26	4.49	209.41	3.98	5.68	5.20
80	217.31	2.72	3.87	4.31	210.35	3.96	5.64	5.20
85	220.01	2.40	3.42	4.09	211.44	3.93	5.60	5.19
90	223.41	2.01	2.85	3.82	212.81	3.90	5.54	5.18

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		4.72		<i>SD</i>		0.74	
10	192.75		2.94		202.58		1.72	
20	198.57		2.53		205.03		1.74	
25	200.78		2.38		205.96		1.74	
30	202.77		2.24		206.79		1.75	
35	204.61		2.12		207.56		1.75	
40	206.35		1.99		208.30		1.75	
45	208.04		1.88		209.00		1.76	
48	209.04		1.81		209.42		1.76	
50	209.70		1.76		209.70		1.76	
52	210.37		1.72		209.98		1.76	
55	211.36		1.65		210.40		1.77	
60	213.05		1.53		211.11		1.77	
65	214.80		1.41		211.84		1.78	
70	216.64		1.28		212.62		1.78	
75	218.62		1.15		213.45		1.78	
80	220.83		0.99		214.38		1.79	
85	223.41		0.81		215.46		1.80	
90	226.65		0.59		216.82		1.80	

Table D.3.5: Language Usage Grade 6 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.67</i>			<i>SD</i>	<i>1.63</i>		
10	191.70	6.83			202.31	4.48		
20	197.92	5.90			204.89	4.36		
25	200.28	5.55			205.87	4.31		
30	202.40	5.23			206.75	4.27		
35	204.37	4.94			207.56	4.23		
40	206.23	4.66			208.33	4.20		
45	208.04	4.39			209.08	4.16		
48	209.11	4.23			209.52	4.14		
50	209.82	4.13			209.82	4.13		
52	210.52	4.02			210.11	4.11		
55	211.59	3.86			210.55	4.09		
60	213.40	3.59			211.30	4.05		
65	215.26	3.31			212.07	4.02		
70	217.23	3.02			212.88	3.98		
75	219.35	2.70			213.76	3.94		
80	221.71	2.35			214.74	3.89		
85	224.47	1.94			215.88	3.84		
90	227.93	1.42			217.32	3.77		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.18</i>			<i>SD</i>	<i>1.90</i>		
10	193.19	6.85			203.97	4.11		
20	199.54	5.73			206.61	3.93		
25	201.95	5.31			207.62	3.86		
30	204.11	4.93			208.52	3.80		
35	206.11	4.57			209.35	3.75		
40	208.02	4.24			210.15	3.69		
45	209.86	3.91			210.91	3.64		
48	210.95	3.72			211.37	3.61		
50	211.67	3.59			211.67	3.59		
52	212.39	3.46			211.97	3.57		
55	213.48	3.27			212.42	3.54		
60	215.32	2.95			213.19	3.49		
65	217.22	2.61			213.99	3.44		
70	219.23	2.26			214.82	3.38		
75	221.39	1.87			215.72	3.32		
80	223.80	1.45			216.73	3.25		
85	226.61	0.95			217.90	3.17		
90	230.15	0.33			219.37	3.08		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.02</i>	<i>6.51</i>	<i>6.75</i>	<i>SD</i>	<i>1.03</i>	<i>1.81</i>	<i>1.79</i>
10	193.05	5.11	7.22	5.27	203.27	3.34	4.76	3.69
20	199.12	4.46	6.30	4.77	205.83	3.30	4.68	3.74

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Language Usage Grade 6 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	201.42	4.21	5.95	4.58	206.80	3.28	4.65	3.75
30	203.49	3.99	5.63	4.41	207.68	3.27	4.63	3.77
35	205.41	3.78	5.34	4.25	208.49	3.25	4.60	3.78
40	207.23	3.59	5.07	4.10	209.25	3.24	4.58	3.79
45	208.99	3.40	4.80	3.96	210.00	3.23	4.56	3.80
48	210.04	3.29	4.64	3.87	210.44	3.22	4.54	3.81
50	210.73	3.21	4.53	3.82	210.73	3.21	4.53	3.82
52	211.42	3.14	4.43	3.76	211.02	3.21	4.52	3.82
55	212.46	3.03	4.27	3.67	211.46	3.20	4.51	3.83
60	214.22	2.84	4.00	3.53	212.20	3.19	4.49	3.84
65	216.04	2.64	3.72	3.38	212.97	3.17	4.46	3.85
70	217.96	2.44	3.43	3.22	213.78	3.16	4.44	3.86
75	220.03	2.21	3.12	3.05	214.65	3.14	4.41	3.88
80	222.34	1.97	2.77	2.86	215.62	3.13	4.38	3.89
85	225.02	1.68	2.36	2.64	216.76	3.11	4.35	3.91
90	228.40	1.32	1.84	2.36	218.18	3.08	4.30	3.94

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		4.76		<i>SD</i>		0.78	
10	196.90		2.33		206.50		1.24	
20	202.75		1.99		209.05		1.27	
25	204.97		1.85		210.02		1.28	
30	206.97		1.74		210.90		1.29	
35	208.82		1.63		211.70		1.30	
40	210.57		1.52		212.47		1.30	
45	212.27		1.42		213.21		1.31	
48	213.27		1.36		213.65		1.32	
50	213.94		1.32		213.94		1.32	
52	214.61		1.28		214.23		1.32	
55	215.61		1.22		214.67		1.33	
60	217.31		1.12		215.41		1.34	
65	219.06		1.02		216.18		1.34	
70	220.91		0.91		216.99		1.35	
75	222.91		0.79		217.86		1.36	
80	225.13		0.65		218.83		1.37	
85	227.72		0.50		219.96		1.38	
90	230.98		0.31		221.38		1.40	

Table D.3.6: Language Usage Grade 7 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.40</i>			<i>SD</i>	<i>1.43</i>		
10	195.13	5.49			205.44	3.76		
20	201.35	4.73			208.11	3.59		
25	203.71	4.44			209.13	3.53		
30	205.83	4.18			210.04	3.47		
35	207.79	3.94			210.89	3.42		
40	209.65	3.71			211.69	3.37		
45	211.46	3.49			212.47	3.32		
48	212.52	3.36			212.93	3.30		
50	213.23	3.28			213.23	3.28		
52	213.94	3.19			213.54	3.26		
55	215.01	3.06			214.00	3.23		
60	216.81	2.84			214.77	3.18		
65	218.67	2.61			215.58	3.13		
70	220.64	2.37			216.42	3.08		
75	222.76	2.11			217.33	3.02		
80	225.12	1.82			218.35	2.96		
85	227.87	1.49			219.54	2.89		
90	231.33	1.06			221.03	2.80		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.98</i>			<i>SD</i>	<i>1.70</i>		
10	195.83	5.99			206.27	3.91		
20	202.27	4.97			209.13	3.60		
25	204.72	4.58			210.21	3.49		
30	206.92	4.23			211.19	3.38		
35	208.95	3.91			212.09	3.28		
40	210.89	3.60			212.95	3.19		
45	212.76	3.31			213.78	3.10		
48	213.86	3.13			214.27	3.05		
50	214.60	3.01			214.60	3.01		
52	215.33	2.90			214.92	2.98		
55	216.44	2.72			215.41	2.93		
60	218.31	2.43			216.24	2.84		
65	220.24	2.12			217.10	2.74		
70	222.28	1.80			218.00	2.65		
75	224.47	1.45			218.98	2.54		
80	226.92	1.06			220.06	2.42		
85	229.77	0.61			221.33	2.29		
90	233.36	0.04			222.92	2.11		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>4.98</i>	<i>6.39</i>	<i>6.32</i>	<i>SD</i>	<i>1.07</i>	<i>1.88</i>	<i>1.76</i>
10	196.31	4.10	5.78	4.33	206.53	2.57	3.72	3.09
20	202.39	3.54	5.03	3.94	209.10	2.54	3.68	3.12

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Language Usage Grade 7 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	204.70	3.34	4.74	3.79	210.08	2.53	3.66	3.14
30	206.77	3.15	4.49	3.66	210.95	2.52	3.65	3.15
35	208.69	2.97	4.25	3.53	211.77	2.51	3.63	3.16
40	210.52	2.81	4.02	3.41	212.54	2.51	3.62	3.17
45	212.28	2.65	3.81	3.30	213.28	2.50	3.60	3.18
48	213.32	2.55	3.68	3.23	213.72	2.49	3.60	3.18
50	214.02	2.49	3.59	3.18	214.02	2.49	3.59	3.18
52	214.71	2.43	3.51	3.14	214.31	2.49	3.59	3.19
55	215.75	2.33	3.38	3.07	214.75	2.48	3.58	3.19
60	217.52	2.17	3.16	2.96	215.50	2.48	3.57	3.20
65	219.34	2.01	2.94	2.84	216.27	2.47	3.55	3.21
70	221.27	1.83	2.70	2.71	217.08	2.46	3.54	3.22
75	223.34	1.65	2.44	2.58	217.96	2.45	3.52	3.23
80	225.65	1.44	2.16	2.43	218.94	2.44	3.51	3.25
85	228.34	1.19	1.83	2.26	220.08	2.43	3.49	3.26
90	231.73	0.88	1.41	2.04	221.51	2.42	3.46	3.28

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		4.72		<i>SD</i>		0.80	
10	199.18		1.95		208.97		0.97	
20	205.13		1.66		211.56		1.01	
25	207.39		1.55		212.54		1.03	
30	209.42		1.45		213.42		1.05	
35	211.30		1.36		214.24		1.06	
40	213.08		1.27		215.02		1.08	
45	214.81		1.18		215.77		1.09	
48	215.83		1.13		216.21		1.10	
50	216.51		1.10		216.51		1.10	
52	217.19		1.07		216.80		1.11	
55	218.21		1.02		217.25		1.11	
60	219.93		0.93		218.00		1.13	
65	221.72		0.85		218.78		1.14	
70	223.60		0.75		219.59		1.16	
75	225.63		0.66		220.48		1.17	
80	227.89		0.54		221.46		1.19	
85	230.52		0.42		222.61		1.21	
90	233.83		0.25		224.05		1.23	

Table D.3.7: Language Usage Grade 8 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>6.07</i>			<i>SD</i>	<i>1.67</i>		
10	196.77	5.25			206.71	3.11		
20	203.04	4.49			209.57	3.08		
25	205.43	4.20			210.66	3.07		
30	207.57	3.94			211.63	3.06		
35	209.55	3.70			212.54	3.05		
40	211.43	3.47			213.40	3.05		
45	213.25	3.25			214.23	3.04		
48	214.33	3.12			214.72	3.04		
50	215.05	3.03			215.05	3.03		
52	215.76	2.95			215.37	3.03		
55	216.84	2.82			215.86	3.03		
60	218.66	2.59			216.69	3.02		
65	220.54	2.37			217.55	3.01		
70	222.52	2.13			218.46	3.00		
75	224.66	1.87			219.43	2.99		
80	227.05	1.58			220.52	2.98		
85	229.82	1.24			221.79	2.97		
90	233.32	0.82			223.38	2.96		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>7.10</i>			<i>SD</i>	<i>2.13</i>		
10	197.55	5.64			207.74	2.94		
20	204.00	4.63			210.69	2.86		
25	206.44	4.25			211.81	2.83		
30	208.64	3.91			212.81	2.80		
35	210.68	3.59			213.75	2.78		
40	212.61	3.29			214.63	2.76		
45	214.48	3.00			215.48	2.73		
48	215.59	2.83			215.99	2.72		
50	216.33	2.71			216.33	2.71		
52	217.06	2.60			216.66	2.70		
55	218.17	2.42			217.17	2.69		
60	220.04	2.13			218.02	2.67		
65	221.97	1.83			218.91	2.64		
70	224.01	1.51			219.84	2.62		
75	226.21	1.17			220.84	2.59		
80	228.66	0.79			221.96	2.56		
85	231.51	0.35			223.27	2.53		
90	235.10	-0.21			224.91	2.49		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.25</i>	<i>7.01</i>	<i>7.32</i>	<i>SD</i>	<i>1.09</i>	<i>1.90</i>	<i>1.81</i>
10	198.01	3.54	5.11	2.32	207.79	1.87	2.80	1.80
20	204.25	2.98	4.34	2.27	210.66	1.88	2.82	1.93

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Language Usage Grade 8 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	206.61	2.76	4.05	2.25	211.76	1.89	2.83	1.98
30	208.74	2.57	3.78	2.24	212.74	1.89	2.84	2.02
35	210.71	2.40	3.54	2.22	213.65	1.89	2.85	2.06
40	212.58	2.23	3.31	2.20	214.51	1.90	2.85	2.10
45	214.39	2.07	3.09	2.19	215.35	1.90	2.86	2.14
48	215.46	1.97	2.95	2.18	215.84	1.90	2.86	2.16
50	216.17	1.91	2.86	2.18	216.17	1.91	2.86	2.18
52	216.88	1.84	2.78	2.17	216.50	1.91	2.87	2.19
55	217.95	1.75	2.64	2.16	216.99	1.91	2.87	2.21
60	219.76	1.58	2.42	2.15	217.83	1.91	2.88	2.25
65	221.63	1.41	2.19	2.13	218.69	1.92	2.88	2.29
70	223.60	1.24	1.95	2.12	219.60	1.92	2.89	2.33
75	225.73	1.05	1.68	2.10	220.59	1.92	2.90	2.37
80	228.10	0.83	1.39	2.08	221.68	1.93	2.91	2.42
85	230.86	0.59	1.05	2.06	222.96	1.93	2.91	2.48
90	234.33	0.27	0.62	2.03	224.56	1.94	2.93	2.55

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		4.90		<i>SD</i>		0.80	
10	200.23		1.64		209.54		0.76	
20	206.36		1.41		212.47		0.83	
25	208.69		1.32		213.59		0.86	
30	210.78		1.24		214.58		0.88	
35	212.71		1.16		215.51		0.90	
40	214.55		1.09		216.39		0.92	
45	216.33		1.03		217.24		0.94	
48	217.38		0.99		217.74		0.95	
50	218.08		0.96		218.08		0.96	
52	218.78		0.93		218.41		0.97	
55	219.83		0.89		218.92		0.98	
60	221.61		0.82		219.77		1.00	
65	223.44		0.75		220.64		1.02	
70	225.38		0.68		221.57		1.04	
75	227.47		0.60		222.57		1.06	
80	229.80		0.51		223.68		1.09	
85	232.51		0.41		224.98		1.12	
90	235.92		0.28		226.61		1.15	

Table D.3.8: Language Usage Grade 9 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.42</i>			<i>SD</i>	<i>1.90</i>		
10	199.93	3.88			209.68	1.68		
20	206.29	2.99			212.69	1.54		
25	208.70	2.65			213.84	1.49		
30	210.87	2.34			214.86	1.44		
35	212.88	2.06			215.81	1.40		
40	214.79	1.79			216.72	1.36		
45	216.63	1.53			217.59	1.32		
48	217.72	1.38			218.11	1.29		
50	218.45	1.28			218.45	1.28		
52	219.17	1.18			218.79	1.26		
55	220.26	1.02			219.31	1.24		
60	222.11	0.76			220.18	1.20		
65	224.02	0.50			221.08	1.16		
70	226.03	0.21			222.03	1.11		
75	228.20	-0.09			223.06	1.07		
80	230.61	-0.43			224.20	1.01		
85	233.43	-0.83			225.54	0.95		
90	236.97	-1.33			227.21	0.88		
Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>7.21</i>			<i>SD</i>	<i>2.20</i>		
10	199.96	4.29			210.10	1.78		
20	206.63	3.16			213.28	1.51		
25	209.16	2.73			214.49	1.41		
30	211.43	2.35			215.58	1.32		
35	213.54	1.99			216.59	1.23		
40	215.54	1.65			217.54	1.15		
45	217.47	1.32			218.47	1.07		
48	218.62	1.13			219.02	1.03		
50	219.38	1.00			219.38	1.00		
52	220.14	0.87			219.74	0.97		
55	221.28	0.67			220.29	0.92		
60	223.22	0.35			221.21	0.84		
65	225.22	0.01			222.17	0.76		
70	227.33	-0.35			223.18	0.68		
75	229.60	-0.74			224.26	0.59		
80	232.13	-1.17			225.48	0.48		
85	235.09	-1.67			226.89	0.37		
90	238.80	-2.30			228.66	0.22		
Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.50</i>	<i>7.58</i>	<i>7.15</i>	<i>SD</i>	<i>1.24</i>	<i>2.18</i>	<i>2.02</i>
10	200.25	3.01	4.29	1.56	209.75	1.42	2.11	0.80
20	206.47	2.44	3.50	1.43	212.71	1.39	2.08	0.93

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Language Usage Grade 9 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	208.83	2.22	3.20	1.38	213.83	1.39	2.06	0.98
30	210.96	2.03	2.94	1.33	214.84	1.38	2.05	1.02
35	212.92	1.85	2.69	1.29	215.78	1.37	2.04	1.06
40	214.79	1.68	2.45	1.25	216.67	1.37	2.02	1.10
45	216.60	1.52	2.23	1.22	217.53	1.36	2.01	1.14
48	217.66	1.42	2.09	1.19	218.04	1.36	2.01	1.16
50	218.37	1.35	2.00	1.18	218.37	1.35	2.00	1.18
52	219.08	1.29	1.91	1.16	218.71	1.35	2.00	1.19
55	220.15	1.19	1.78	1.14	219.22	1.35	1.99	1.22
60	221.96	1.03	1.55	1.10	220.08	1.34	1.98	1.25
65	223.82	0.86	1.32	1.07	220.97	1.33	1.97	1.29
70	225.79	0.68	1.07	1.02	221.90	1.33	1.96	1.34
75	227.91	0.48	0.80	0.98	222.91	1.32	1.95	1.38
80	230.28	0.27	0.50	0.93	224.04	1.31	1.93	1.43
85	233.03	0.02	0.16	0.87	225.35	1.30	1.91	1.49
90	236.50	-0.30	-0.28	0.80	227.00	1.29	1.89	1.56

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>5.07</i>		<i>SD</i>		<i>0.93</i>	
10	201.81		1.15		211.02		0.48	
20	207.96		0.98		214.01		0.54	
25	210.30		0.92		215.14		0.56	
30	212.40		0.86		216.16		0.58	
35	214.34		0.80		217.11		0.60	
40	216.19		0.75		218.01		0.62	
45	217.97		0.70		218.87		0.63	
48	219.03		0.67		219.39		0.64	
50	219.73		0.65		219.73		0.65	
52	220.43		0.63		220.07		0.66	
55	221.48		0.60		220.58		0.67	
60	223.27		0.55		221.45		0.68	
65	225.11		0.50		222.35		0.70	
70	227.06		0.44		223.29		0.72	
75	229.16		0.38		224.31		0.74	
80	231.49		0.32		225.45		0.76	
85	234.22		0.24		226.77		0.79	
90	237.65		0.14		228.44		0.82	

Table D.3.9: Language Usage Grade 10 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.49</i>			<i>SD</i>	<i>1.90</i>		
10	198.85	3.56			208.61	2.06		
20	205.47	2.88			211.89	1.89		
25	207.99	2.62			213.13	1.83		
30	210.25	2.38			214.25	1.77		
35	212.35	2.17			215.28	1.72		
40	214.34	1.96			216.27	1.67		
45	216.26	1.76			217.22	1.62		
48	217.40	1.65			217.78	1.59		
50	218.15	1.57			218.15	1.57		
52	218.91	1.49			218.53	1.55		
55	220.05	1.37			219.09	1.52		
60	221.97	1.18			220.04	1.47		
65	223.96	0.97			221.02	1.42		
70	226.05	0.76			222.06	1.37		
75	228.31	0.52			223.17	1.31		
80	230.83	0.26			224.42	1.25		
85	233.77	-0.04			225.87	1.18		
90	237.46	-0.42			227.69	1.08		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>8.17</i>			<i>SD</i>	<i>2.47</i>		
10	198.24	4.66			208.86	2.18		
20	205.28	3.55			212.25	1.92		
25	207.95	3.12			213.54	1.82		
30	210.35	2.74			214.69	1.73		
35	212.57	2.39			215.76	1.65		
40	214.68	2.06			216.78	1.57		
45	216.72	1.74			217.76	1.49		
48	217.93	1.54			218.34	1.45		
50	218.73	1.42			218.73	1.42		
52	219.53	1.29			219.11	1.39		
55	220.74	1.10			219.70	1.34		
60	222.78	0.78			220.68	1.27		
65	224.89	0.44			221.69	1.19		
70	227.11	0.09			222.76	1.11		
75	229.51	-0.29			223.92	1.02		
80	232.18	-0.71			225.21	0.92		
85	235.30	-1.21			226.71	0.80		
90	239.21	-1.83			228.59	0.66		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.90</i>	<i>8.43</i>	<i>7.41</i>	<i>SD</i>	<i>1.44</i>	<i>2.51</i>	<i>1.88</i>
10	199.66	2.40	3.46	0.75	209.59	0.94	1.47	1.02
20	206.27	1.85	2.69	0.86	212.80	0.89	1.38	1.04

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Language Usage Grade 10 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	208.79	1.64	2.40	0.91	214.01	0.87	1.35	1.05
30	211.04	1.45	2.13	0.95	215.11	0.85	1.32	1.06
35	213.13	1.28	1.89	0.98	216.12	0.84	1.29	1.06
40	215.12	1.11	1.66	1.02	217.08	0.82	1.27	1.07
45	217.04	0.95	1.44	1.05	218.01	0.81	1.24	1.08
48	218.18	0.86	1.30	1.07	218.56	0.80	1.23	1.08
50	218.93	0.79	1.22	1.09	218.93	0.79	1.22	1.09
52	219.68	0.73	1.13	1.10	219.29	0.79	1.21	1.09
55	220.82	0.63	1.00	1.12	219.84	0.78	1.19	1.09
60	222.74	0.47	0.77	1.15	220.78	0.76	1.17	1.10
65	224.72	0.31	0.54	1.19	221.74	0.75	1.14	1.11
70	226.82	0.13	0.30	1.22	222.75	0.73	1.11	1.11
75	229.07	-0.05	0.04	1.26	223.84	0.72	1.08	1.12
80	231.59	-0.26	-0.26	1.31	225.06	0.70	1.05	1.13
85	234.52	-0.51	-0.60	1.36	226.48	0.68	1.01	1.14
90	238.20	-0.82	-1.03	1.42	228.27	0.65	0.96	1.15

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.32		<i>SD</i>		1.07	
10	200.51		0.65		210.35		0.26	
20	207.11		0.57		213.56		0.32	
25	209.61		0.54		214.79		0.34	
30	211.86		0.52		215.88		0.36	
35	213.95		0.49		216.90		0.37	
40	215.92		0.47		217.87		0.39	
45	217.84		0.45		218.80		0.41	
48	218.97		0.43		219.35		0.42	
50	219.72		0.42		219.72		0.42	
52	220.47		0.41		220.09		0.43	
55	221.61		0.40		220.64		0.44	
60	223.52		0.38		221.58		0.46	
65	225.50		0.35		222.54		0.47	
70	227.58		0.33		223.56		0.49	
75	229.83		0.30		224.66		0.51	
80	232.34		0.27		225.88		0.53	
85	235.26		0.24		227.30		0.56	
90	238.93		0.20		229.10		0.59	

Appendix D.4 - General Science

Table D.4.1: General Science Grade 3 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>5.94</i>			<i>SD</i>	<i>1.75</i>		
10	168.56	12.25			177.27	8.88		
20	173.98	10.86			179.71	8.65		
25	176.04	10.33			180.63	8.56		
30	177.89	9.86			181.46	8.48		
35	179.61	9.42			182.23	8.40		
40	181.24	9.00			182.96	8.33		
45	182.81	8.59			183.66	8.26		
48	183.74	8.36			184.08	8.22		
50	184.36	8.20			184.36	8.20		
52	184.98	8.04			184.64	8.17		
55	185.91	7.80			185.05	8.13		
60	187.48	7.40			185.76	8.06		
65	189.11	6.98			186.49	7.99		
70	190.83	6.54			187.26	7.92		
75	192.68	6.06			188.09	7.84		
80	194.74	5.53			189.01	7.75		
85	197.14	4.92			190.09	7.64		
90	200.16	4.14			191.45	7.51		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>6.32</i>			<i>SD</i>	<i>2.15</i>		
10	171.32	12.56			180.54	8.58		
20	177.06	10.78			183.12	8.16		
25	179.25	10.10			184.10	8.01		
30	181.21	9.50			184.98	7.87		
35	183.02	8.93			185.80	7.74		
40	184.75	8.40			186.57	7.61		
45	186.42	7.88			187.32	7.49		
48	187.40	7.58			187.76	7.42		
50	188.06	7.38			188.06	7.38		
52	188.71	7.17			188.35	7.33		
55	189.70	6.87			188.79	7.26		
60	191.37	6.35			189.54	7.14		
65	193.09	5.82			190.32	7.02		
70	194.91	5.26			191.13	6.88		
75	196.87	4.65			192.01	6.74		
80	199.05	3.97			192.99	6.59		
85	201.60	3.19			194.13	6.41		
90	204.80	2.19			195.57	6.18		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.78</i>	<i>7.25</i>	<i>7.30</i>	<i>SD</i>	<i>1.20</i>	<i>2.10</i>	<i>1.95</i>

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General Science Grade 3 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
10	172.43	8.24	12.37	11.89	180.50	5.44	8.59	8.45
20	177.60	7.16	10.86	10.64	182.90	5.32	8.38	8.38
25	179.56	6.75	10.28	10.17	183.81	5.27	8.29	8.36
30	181.32	6.38	9.77	9.74	184.62	5.23	8.22	8.33
35	182.95	6.03	9.29	9.34	185.38	5.19	8.15	8.31
40	184.50	5.71	8.83	8.97	186.10	5.15	8.08	8.29
45	186.00	5.39	8.39	8.61	186.79	5.12	8.02	8.27
48	186.89	5.21	8.13	8.39	187.20	5.10	7.98	8.26
50	187.47	5.08	7.96	8.25	187.47	5.08	7.96	8.25
52	188.06	4.96	7.79	8.11	187.75	5.07	7.93	8.24
55	188.95	4.77	7.53	7.89	188.16	5.05	7.90	8.23
60	190.45	4.46	7.09	7.53	188.85	5.01	7.83	8.21
65	192.00	4.13	6.63	7.16	189.57	4.97	7.77	8.19
70	193.63	3.79	6.15	6.76	190.33	4.93	7.70	8.17
75	195.39	3.42	5.64	6.34	191.14	4.89	7.62	8.14
80	197.35	3.00	5.06	5.86	192.05	4.84	7.54	8.12
85	199.64	2.52	4.39	5.31	193.11	4.79	7.45	8.09
90	202.52	1.92	3.55	4.61	194.45	4.72	7.32	8.05
Start %ile	RIT	Student Growth			RIT	School Growth		
	Winter	Winter	Spring	N Fall	Winter	Winter	Spring	N Fall
	<i>SD</i>		5.66		<i>SD</i>		0.93	
10	178.56		4.76		185.77		2.88	
20	183.36		4.12		188.10		2.88	
25	185.19		3.87		188.98		2.88	
30	186.83		3.65		189.78		2.88	
35	188.35		3.44		190.52		2.88	
40	189.79		3.25		191.21		2.88	
45	191.18		3.06		191.89		2.88	
48	192.01		2.95		192.29		2.88	
50	192.56		2.88		192.56		2.88	
52	193.10		2.80		192.82		2.88	
55	193.93		2.69		193.22		2.88	
60	195.32		2.50		193.90		2.88	
65	196.76		2.31		194.60		2.88	
70	198.28		2.11		195.33		2.88	
75	199.92		1.88		196.13		2.88	
80	201.75		1.64		197.01		2.88	
85	203.88		1.35		198.04		2.88	
90	206.55		0.99		199.34		2.87	

Table D.4.2: General Science Grade 4 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.89</i>			<i>SD</i>	<i>1.65</i>		
10	177.92	9.29			185.78	6.69		
20	182.88	8.28			188.04	6.57		
25	184.77	7.89			188.91	6.53		
30	186.46	7.55			189.68	6.49		
35	188.03	7.23			190.40	6.45		
40	189.52	6.93			191.08	6.42		
45	190.96	6.64			191.73	6.38		
48	191.81	6.46			192.12	6.36		
50	192.38	6.35			192.38	6.35		
52	192.95	6.23			192.64	6.34		
55	193.80	6.06			193.03	6.32		
60	195.24	5.77			193.69	6.28		
65	196.73	5.47			194.37	6.25		
70	198.30	5.15			195.08	6.21		
75	199.99	4.80			195.86	6.17		
80	201.88	4.42			196.72	6.13		
85	204.08	3.97			197.72	6.07		
90	206.84	3.41			198.98	6.01		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>6.26</i>		<i>SD</i>		<i>2.12</i>	
10	180.17		9.36		188.20		6.53	
20	185.30		8.16		190.57		6.30	
25	187.25		7.71		191.47		6.22	
30	189.00		7.30		192.28		6.15	
35	190.62		6.93		193.03		6.08	
40	192.16		6.57		193.75		6.01	
45	193.65		6.22		194.43		5.95	
48	194.53		6.02		194.84		5.91	
50	195.11		5.88		195.11		5.88	
52	195.70		5.75		195.38		5.86	
55	196.58		5.54		195.79		5.82	
60	198.07		5.20		196.48		5.76	
65	199.60		4.84		197.19		5.69	
70	201.23		4.46		197.94		5.62	
75	202.98		4.06		198.75		5.55	
80	204.92		3.60		199.65		5.46	
85	207.19		3.08		200.70		5.36	
90	210.05		2.41		202.03		5.24	

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.60</i>	<i>6.73</i>	<i>6.63</i>	<i>SD</i>	<i>1.07</i>	<i>1.86</i>	<i>1.61</i>
10	180.28	6.69	9.68	9.01	188.03	4.23	6.56	6.89
20	185.19	5.82	8.56	8.29	190.28	4.20	6.51	6.90

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General Science Grade 4 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	187.06	5.48	8.13	8.02	191.14	4.19	6.49	6.90
30	188.73	5.19	7.75	7.78	191.90	4.18	6.47	6.91
35	190.28	4.91	7.40	7.55	192.61	4.17	6.46	6.91
40	191.76	4.65	7.06	7.33	193.29	4.16	6.44	6.91
45	193.18	4.39	6.73	7.12	193.94	4.15	6.43	6.92
48	194.02	4.25	6.54	7.00	194.33	4.15	6.42	6.92
50	194.58	4.15	6.41	6.92	194.58	4.15	6.41	6.92
52	195.14	4.05	6.28	6.84	194.84	4.14	6.41	6.92
55	195.99	3.90	6.09	6.71	195.23	4.14	6.40	6.92
60	197.41	3.64	5.77	6.51	195.88	4.13	6.38	6.93
65	198.88	3.38	5.43	6.29	196.55	4.12	6.37	6.93
70	200.43	3.10	5.07	6.06	197.26	4.11	6.35	6.93
75	202.11	2.81	4.69	5.82	198.03	4.10	6.34	6.94
80	203.97	2.48	4.26	5.55	198.89	4.09	6.32	6.94
85	206.15	2.09	3.77	5.23	199.88	4.08	6.29	6.95
90	208.88	1.60	3.14	4.83	201.13	4.06	6.27	6.95

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.49		<i>SD</i>		0.79	
10	184.95		3.94		192.12		2.12	
20	189.68		3.37		194.39		2.17	
25	191.48		3.15		195.25		2.19	
30	193.09		2.95		196.02		2.21	
35	194.59		2.77		196.74		2.22	
40	196.01		2.60		197.42		2.24	
45	197.38		2.43		198.08		2.25	
48	198.19		2.33		198.47		2.26	
50	198.73		2.27		198.73		2.27	
52	199.27		2.20		198.99		2.27	
55	200.08		2.10		199.38		2.28	
60	201.45		1.94		200.04		2.30	
65	202.87		1.76		200.72		2.31	
70	204.37		1.58		201.43		2.33	
75	205.98		1.38		202.21		2.35	
80	207.78		1.17		203.07		2.37	
85	209.87		0.91		204.07		2.39	
90	212.50		0.59		205.34		2.42	

Table D.4.3: General Science Grade 5 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>6.06</i>			<i>SD</i>	<i>1.39</i>		
10	184.11	8.11			191.87	5.47		
20	189.00	7.16			194.09	5.43		
25	190.85	6.80			194.94	5.41		
30	192.52	6.47			195.69	5.40		
35	194.06	6.17			196.40	5.38		
40	195.53	5.89			197.06	5.37		
45	196.95	5.61			197.71	5.36		
48	197.78	5.45			198.09	5.35		
50	198.34	5.34			198.34	5.34		
52	198.90	5.24			198.59	5.34		
55	199.74	5.07			198.98	5.33		
60	201.15	4.80			199.62	5.32		
65	202.62	4.51			200.29	5.31		
70	204.16	4.21			200.99	5.29		
75	205.83	3.89			201.75	5.28		
80	207.69	3.53			202.59	5.26		
85	209.85	3.11			203.57	5.24		
90	212.57	2.58			204.81	5.22		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>6.45</i>			<i>SD</i>	<i>1.87</i>		
10	186.02	8.16			194.05	5.30		
20	191.12	7.02			196.39	5.14		
25	193.06	6.59			197.28	5.08		
30	194.80	6.20			198.08	5.03		
35	196.41	5.84			198.82	4.98		
40	197.94	5.50			199.53	4.94		
45	199.42	5.17			200.21	4.89		
48	200.29	4.98			200.61	4.87		
50	200.88	4.85			200.88	4.85		
52	201.46	4.72			201.14	4.83		
55	202.33	4.52			201.55	4.80		
60	203.81	4.19			202.23	4.76		
65	205.34	3.85			202.93	4.71		
70	206.95	3.49			203.67	4.66		
75	208.69	3.10			204.47	4.61		
80	210.63	2.67			205.36	4.55		
85	212.89	2.17			206.40	4.48		
90	215.73	1.53			207.71	4.40		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.63</i>	<i>6.76</i>	<i>6.76</i>	<i>SD</i>	<i>1.07</i>	<i>1.87</i>	<i>1.48</i>
10	186.06	5.81	8.42	6.68	193.70	3.54	5.64	4.96
20	190.93	5.00	7.41	6.17	195.94	3.51	5.59	5.04

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General Science Grade 5 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	192.77	4.69	7.03	5.98	196.79	3.50	5.57	5.08
30	194.43	4.42	6.69	5.81	197.56	3.49	5.55	5.10
35	195.97	4.16	6.37	5.65	198.27	3.48	5.54	5.13
40	197.43	3.92	6.07	5.50	198.94	3.47	5.52	5.16
45	198.84	3.68	5.78	5.35	199.59	3.46	5.51	5.18
48	199.68	3.55	5.61	5.26	199.98	3.46	5.50	5.20
50	200.23	3.45	5.49	5.21	200.23	3.45	5.49	5.21
52	200.79	3.36	5.38	5.15	200.49	3.45	5.49	5.22
55	201.62	3.22	5.20	5.06	200.87	3.44	5.48	5.23
60	203.03	2.99	4.91	4.92	201.52	3.44	5.46	5.26
65	204.49	2.75	4.61	4.77	202.20	3.43	5.45	5.28
70	206.03	2.49	4.29	4.61	202.90	3.42	5.43	5.31
75	207.69	2.21	3.95	4.43	203.67	3.41	5.41	5.34
80	209.54	1.91	3.57	4.24	204.52	3.40	5.39	5.37
85	211.69	1.55	3.12	4.02	205.51	3.38	5.37	5.41
90	214.40	1.10	2.56	3.74	206.76	3.37	5.34	5.46

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.50		<i>SD</i>		0.80	
10	189.84		3.57		197.10		1.89	
20	194.59		3.04		199.36		1.94	
25	196.40		2.84		200.22		1.96	
30	198.02		2.66		200.99		1.98	
35	199.52		2.50		201.70		1.99	
40	200.95		2.34		202.38		2.01	
45	202.33		2.19		203.04		2.02	
48	203.14		2.10		203.43		2.03	
50	203.69		2.04		203.69		2.04	
52	204.23		1.98		203.94		2.04	
55	205.04		1.89		204.33		2.05	
60	206.42		1.74		204.99		2.07	
65	207.85		1.58		205.67		2.08	
70	209.35		1.41		206.38		2.10	
75	210.97		1.23		207.15		2.12	
80	212.78		1.03		208.01		2.14	
85	214.88		0.80		209.01		2.16	
90	217.53		0.51		210.27		2.19	

Table D.4.4: General Science Grade 6 Conditional Growth Distributions

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Winter	Winter	Spring	N Fall	Last Winter	Winter	Spring	N Fall
	<i>SD</i>	<i>6.13</i>			<i>SD</i>	<i>1.56</i>		
10	187.69	7.05			195.90	4.39		
20	192.93	6.04			198.32	4.29		
25	194.92	5.65			199.24	4.25		
30	196.71	5.31			200.07	4.22		
35	198.37	4.99			200.84	4.19		
40	199.94	4.68			201.56	4.16		
45	201.46	4.39			202.27	4.13		
48	202.36	4.22			202.68	4.11		
50	202.96	4.10			202.96	4.10		
52	203.56	3.98			203.24	4.09		
55	204.46	3.81			203.65	4.07		
60	205.98	3.52			204.36	4.04		
65	207.55	3.21			205.09	4.01		
70	209.21	2.89			205.85	3.98		
75	211.00	2.55			206.68	3.95		
80	212.99	2.16			207.60	3.91		
85	215.31	1.71			208.67	3.86		
90	218.23	1.15			210.03	3.81		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Last Spring	Winter	Spring	N Fall	Last Spring	Winter	Spring	N Fall
	<i>SD</i>	<i>6.51</i>			<i>SD</i>	<i>1.79</i>		
10	188.87	7.28			197.57	4.18		
20	194.38	6.06			200.09	4.02		
25	196.48	5.59			201.05	3.96		
30	198.36	5.18			201.91	3.91		
35	200.10	4.79			202.71	3.86		
40	201.75	4.42			203.47	3.81		
45	203.35	4.07			204.20	3.77		
48	204.30	3.86			204.64	3.74		
50	204.93	3.72			204.93	3.72		
52	205.56	3.58			205.21	3.70		
55	206.50	3.37			205.65	3.68		
60	208.10	3.02			206.38	3.63		
65	209.75	2.65			207.14	3.58		
70	211.50	2.27			207.94	3.53		
75	213.38	1.85			208.80	3.48		
80	215.47	1.39			209.76	3.42		
85	217.91	0.85			210.88	3.35		
90	220.98	0.17			212.29	3.27		

Start %ile	RIT	Student Growth			RIT	School Growth		
	Fall	Winter	Spring	N Fall	Fall	Winter	Spring	N Fall
	<i>SD</i>	<i>5.68</i>	<i>6.84</i>	<i>6.98</i>	<i>SD</i>	<i>0.91</i>	<i>1.58</i>	<i>1.77</i>
10	189.52	4.88	6.92	6.18	197.37	2.72	4.29	4.20
20	194.59	4.15	6.04	5.58	199.75	2.73	4.31	4.28

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General Science Grade 6 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	196.52	3.87	5.70	5.35	200.66	2.74	4.31	4.31
30	198.26	3.62	5.40	5.14	201.47	2.74	4.32	4.33
35	199.86	3.39	5.12	4.95	202.22	2.74	4.32	4.36
40	201.38	3.17	4.85	4.77	202.94	2.75	4.33	4.38
45	202.86	2.96	4.59	4.60	203.63	2.75	4.33	4.40
48	203.73	2.83	4.44	4.49	204.04	2.75	4.34	4.42
50	204.31	2.75	4.34	4.43	204.31	2.75	4.34	4.43
52	204.89	2.67	4.24	4.36	204.58	2.75	4.34	4.43
55	205.76	2.54	4.09	4.25	204.99	2.75	4.34	4.45
60	207.23	2.33	3.83	4.08	205.68	2.76	4.35	4.47
65	208.76	2.11	3.56	3.90	206.40	2.76	4.35	4.49
70	210.36	1.88	3.28	3.71	207.15	2.76	4.36	4.52
75	212.09	1.63	2.98	3.50	207.96	2.77	4.36	4.54
80	214.02	1.35	2.64	3.27	208.87	2.77	4.37	4.57
85	216.27	1.03	2.25	3.00	209.92	2.77	4.38	4.61
90	219.10	0.62	1.75	2.67	211.25	2.78	4.39	4.65

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.53		<i>SD</i>		0.67	
10	192.45		2.94		200.00		1.42	
20	197.47		2.48		202.42		1.48	
25	199.37		2.30		203.34		1.50	
30	201.08		2.14		204.17		1.52	
35	202.67		1.99		204.94		1.54	
40	204.17		1.85		205.66		1.56	
45	205.63		1.72		206.37		1.57	
48	206.49		1.64		206.78		1.58	
50	207.06		1.59		207.06		1.59	
52	207.63		1.53		207.34		1.59	
55	208.49		1.45		207.75		1.60	
60	209.95		1.32		208.46		1.62	
65	211.45		1.18		209.18		1.64	
70	213.04		1.03		209.95		1.65	
75	214.75		0.88		210.78		1.67	
80	216.65		0.70		211.70		1.69	
85	218.88		0.49		212.77		1.72	
90	221.67		0.23		214.12		1.75	

Table D.4.5: General Science Grade 7 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.97</i>			<i>SD</i>	<i>1.38</i>		
10	190.57	5.76			199.12	3.62		
20	195.88	4.96			201.50	3.55		
25	197.90	4.65			202.40	3.53		
30	199.72	4.38			203.21	3.50		
35	201.40	4.12			203.97	3.48		
40	202.99	3.88			204.68	3.46		
45	204.53	3.65			205.37	3.44		
48	205.45	3.51			205.78	3.43		
50	206.05	3.42			206.05	3.42		
52	206.66	3.33			206.32	3.41		
55	207.57	3.19			206.73	3.40		
60	209.11	2.96			207.42	3.38		
65	210.71	2.71			208.14	3.36		
70	212.39	2.46			208.89	3.34		
75	214.20	2.19			209.70	3.31		
80	216.22	1.88			210.61	3.28		
85	218.58	1.52			211.66	3.25		
90	221.54	1.08			212.99	3.21		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		<i>6.44</i>		<i>SD</i>		<i>1.66</i>	
10	191.44		6.09		200.57		3.44	
20	197.01		5.10		203.01		3.35	
25	199.12		4.72		203.93		3.32	
30	201.02		4.38		204.76		3.29	
35	202.78		4.07		205.53		3.27	
40	204.45		3.77		206.26		3.24	
45	206.07		3.48		206.97		3.22	
48	207.03		3.31		207.38		3.21	
50	207.66		3.20		207.66		3.20	
52	208.30		3.08		207.94		3.19	
55	209.25		2.91		208.36		3.17	
60	210.87		2.62		209.06		3.15	
65	212.54		2.33		209.79		3.13	
70	214.30		2.01		210.56		3.10	
75	216.20		1.67		211.39		3.07	
80	218.32		1.30		212.32		3.04	
85	220.78		0.86		213.39		3.00	
90	223.88		0.30		214.75		2.96	

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.71</i>	<i>6.87</i>	<i>6.62</i>	<i>SD</i>	<i>0.79</i>	<i>1.38</i>	<i>1.48</i>
10	191.90	4.24	5.99	5.88	200.39	2.20	3.52	4.38
20	197.14	3.57	5.19	5.37	202.72	2.23	3.57	4.38

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General Science Grade 7 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	199.14	3.32	4.89	5.17	203.61	2.24	3.59	4.38
30	200.93	3.09	4.62	5.00	204.40	2.25	3.61	4.38
35	202.59	2.88	4.37	4.83	205.14	2.26	3.63	4.38
40	204.16	2.68	4.13	4.68	205.84	2.27	3.65	4.38
45	205.68	2.48	3.90	4.53	206.51	2.28	3.66	4.38
48	206.58	2.37	3.77	4.44	206.91	2.29	3.67	4.38
50	207.18	2.29	3.68	4.38	207.18	2.29	3.68	4.38
52	207.78	2.21	3.59	4.32	207.45	2.29	3.68	4.38
55	208.68	2.10	3.45	4.23	207.85	2.30	3.69	4.38
60	210.20	1.90	3.22	4.08	208.52	2.31	3.71	4.38
65	211.78	1.70	2.98	3.93	209.22	2.32	3.72	4.38
70	213.43	1.49	2.73	3.77	209.96	2.33	3.74	4.38
75	215.22	1.26	2.46	3.59	210.76	2.34	3.76	4.38
80	217.22	1.01	2.16	3.39	211.64	2.35	3.78	4.38
85	219.54	0.71	1.81	3.16	212.67	2.36	3.80	4.38
90	222.46	0.34	1.37	2.88	213.97	2.38	3.83	4.38

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.54		<i>SD</i>		0.58	
10	194.26		2.62		202.51		1.21	
20	199.48		2.20		204.90		1.27	
25	201.47		2.03		205.81		1.29	
30	203.25		1.89		206.62		1.31	
35	204.90		1.76		207.38		1.33	
40	206.46		1.63		208.10		1.35	
45	207.98		1.51		208.79		1.37	
48	208.88		1.44		209.20		1.38	
50	209.47		1.39		209.47		1.39	
52	210.07		1.34		209.74		1.39	
55	210.96		1.27		210.15		1.40	
60	212.48		1.14		210.85		1.42	
65	214.04		1.02		211.56		1.44	
70	215.69		0.88		212.32		1.46	
75	217.47		0.74		213.13		1.48	
80	219.46		0.58		214.04		1.50	
85	221.77		0.39		215.10		1.53	
90	224.68		0.16		216.43		1.56	

Table D.4.6: General Science Grade 8 Conditional Growth Distributions

Start %ile	RIT Last Winter	Student Growth			RIT Last Winter	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>6.47</i>			<i>SD</i>	<i>1.41</i>		
10	193.30	5.74			201.69	3.38		
20	198.66	4.93			204.17	3.38		
25	200.69	4.63			205.11	3.38		
30	202.52	4.35			205.95	3.38		
35	204.21	4.09			206.73	3.38		
40	205.82	3.85			207.47	3.38		
45	207.37	3.62			208.19	3.38		
48	208.29	3.48			208.62	3.39		
50	208.90	3.39			208.90	3.39		
52	209.51	3.29			209.18	3.39		
55	210.43	3.15			209.61	3.39		
60	211.98	2.92			210.32	3.39		
65	213.59	2.68			211.07	3.39		
70	215.28	2.42			211.85	3.39		
75	217.11	2.14			212.69	3.39		
80	219.14	1.84			213.63	3.39		
85	221.51	1.48			214.73	3.39		
90	224.49	1.03			216.11	3.39		

Start %ile	RIT Last Spring	Student Growth			RIT Last Spring	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>7.16</i>			<i>SD</i>	<i>1.83</i>		
10	194.16	6.02			203.13	3.18		
20	199.73	5.03			205.62	3.17		
25	201.85	4.66			206.57	3.16		
30	203.75	4.32			207.42	3.16		
35	205.51	4.01			208.21	3.15		
40	207.18	3.71			208.95	3.15		
45	208.80	3.42			209.67	3.14		
48	209.75	3.25			210.10	3.14		
50	210.39	3.14			210.39	3.14		
52	211.02	3.03			210.67	3.14		
55	211.98	2.86			211.10	3.14		
60	213.59	2.57			211.82	3.13		
65	215.26	2.27			212.57	3.13		
70	217.02	1.96			213.35	3.12		
75	218.92	1.62			214.20	3.12		
80	221.04	1.24			215.15	3.11		
85	223.51	0.81			216.25	3.11		
90	226.61	0.25			217.64	3.10		

Start %ile	RIT Fall	Student Growth			RIT Fall	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>	<i>5.88</i>	<i>7.30</i>	<i>7.36</i>	<i>SD</i>	<i>0.98</i>	<i>1.72</i>	<i>1.49</i>
10	194.55	4.05	5.76	3.91	202.87	2.08	3.39	3.08
20	199.95	3.35	4.90	3.72	205.42	2.05	3.34	3.18

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General Science Grade 8 Conditional Growth Distributions , *continued*

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
25	202.00	3.08	4.57	3.65	206.39	2.04	3.32	3.22
30	203.85	2.84	4.27	3.59	207.25	2.03	3.30	3.25
35	205.56	2.62	4.00	3.53	208.06	2.02	3.28	3.28
40	207.18	2.40	3.74	3.48	208.82	2.02	3.27	3.31
45	208.74	2.20	3.49	3.42	209.56	2.01	3.25	3.34
48	209.67	2.08	3.34	3.39	210.00	2.00	3.24	3.36
50	210.29	2.00	3.24	3.37	210.29	2.00	3.24	3.37
52	210.90	1.92	3.14	3.35	210.58	1.99	3.23	3.38
55	211.83	1.80	2.99	3.32	211.01	1.99	3.22	3.40
60	213.40	1.59	2.74	3.26	211.75	1.98	3.21	3.43
65	215.02	1.38	2.48	3.21	212.51	1.97	3.19	3.46
70	216.72	1.16	2.21	3.15	213.32	1.96	3.18	3.49
75	218.57	0.92	1.91	3.08	214.19	1.95	3.16	3.52
80	220.62	0.65	1.58	3.01	215.15	1.94	3.14	3.56
85	223.01	0.34	1.20	2.93	216.28	1.93	3.12	3.60
90	226.02	-0.06	0.72	2.83	217.70	1.91	3.09	3.66

Start %ile	RIT	Student Growth			RIT	School Growth		
		Winter	Spring	N Fall		Winter	Spring	N Fall
	<i>SD</i>		5.66		<i>SD</i>		0.74	
10	196.67		2.39		204.85		1.15	
20	202.03		1.99		207.40		1.18	
25	204.07		1.84		208.37		1.19	
30	205.89		1.71		209.24		1.20	
35	207.59		1.59		210.05		1.21	
40	209.20		1.47		210.81		1.22	
45	210.75		1.35		211.56		1.23	
48	211.67		1.29		211.99		1.24	
50	212.28		1.24		212.28		1.24	
52	212.90		1.20		212.58		1.24	
55	213.82		1.13		213.01		1.25	
60	215.37		1.01		213.75		1.26	
65	216.98		0.90		214.52		1.27	
70	218.67		0.77		215.33		1.28	
75	220.50		0.64		216.20		1.29	
80	222.54		0.49		217.17		1.30	
85	224.91		0.31		218.30		1.32	
90	227.90		0.09		219.72		1.34	

Appendix E - Student and School Conditional Growth Percentiles

For each content area, this appendix provides a set of up to six tables for each grade level (K-10). Tables numbered E.1._, E.2._, E.3._, and E.4._ correspond to mathematics, reading, language usage, and general science, respectively. Each table in a content area-grade level set presents conditional term-to-term growth percentiles for both students and schools. The term-to-term combinations that make up a grade level set are: Last Winter to Winter; Last Spring to Spring; Fall to Next Fall; Fall to Spring; Fall to Winter; and Winter to Spring, respectively. (Since there is no grade prior to kindergarten, only four tables are provided for grade K.) Appearing on the left side of each of these tables is a column of 18 percentile ranks. For each percentile rank, there are two rows of values; the first is for student values, the second for school values. To the right of each percentile rank are the starting RIT values associated with it (one for students, one for schools). To the right of each starting RIT are the mean growth and standard deviation associated with it. Each of the nine right-most columns contain the amount of growth associated with the conditional growth percentiles (CGP) and the conditional growth index values (CGI) shown at the top of the column. There is a fixed statistical relationship between CGP and CGI; these values are constant across all tables.

Let's assume that we want to determine the conditional growth percentile for a grade 2 student who grew 13 RITs in mathematics from fall to spring after obtaining a fall RIT score of 180. We would first find the table with appropriate content area-grade combination (mathematics-grade 2) and the appropriate term-to-term comparison (fall-to-spring). This is TableE.1.14. Since we are interested in a student's performance, we would find the RIT value from the starting RIT column for a student that is closest to 180. The closest value is 180.25 in the 60th percentile row. To identify the CGP for observed growth of 13, we move across on the same student row to find a value closest to 13. The closest value is 13.06, in the Conditional Growth column labeled 40. Thus, 40 is the CGP for fall-to-spring growth of 13 for a grade 2 student starting out in fall with a RIT of 180. The associated conditional growth index (CGI) is -.25.

As another example, assume we are interested in determining how much growth a school's second graders would have to make to attain a conditional growth percentile (CGP) of 60 in the spring when they started the school year with a mean RIT score of 180. To determine this we would first find the appropriate table - the one showing fall-to-spring mathematics growth for grade 2 students, which is, again, TableE.1.14. We begin by finding the mean fall status for a school that is closest to 180 in the Start RIT column. That value is 179.95 in the 70th percentile row block for status. We would move across the School row until we intersected the column containing the 60th growth percentiles. The value in the cell, 15.84 (RITs) is the amount of growth associated with the conditional growth percentile of 60.

Appendix E.1 - Mathematics

Table E.1.1: Mathematics Grade K From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	120.75	29.12	8.23	Student	22.19	24.80	27.03	28.08	29.12	30.15	31.20	33.43	36.04
	131.03	26.19	3.59	School	23.16	24.30	25.28	25.73	26.19	26.64	27.10	28.07	29.21
20	127.37	27.37	8.23	Student	20.44	23.05	25.28	26.33	27.37	28.40	29.45	31.68	34.30
	134.13	25.44	3.59	School	22.42	23.56	24.53	24.99	25.44	25.89	26.35	27.33	28.47
25	129.89	26.70	8.23	Student	19.77	22.39	24.62	25.67	26.70	27.74	28.79	31.02	33.63
	135.30	25.16	3.59	School	22.14	23.28	24.25	24.71	25.16	25.61	26.07	27.05	28.18
30	132.15	26.11	8.23	Student	19.18	21.79	24.02	25.07	26.11	27.14	28.19	30.42	33.04
	136.36	24.91	3.59	School	21.88	23.02	24.00	24.46	24.91	25.36	25.82	26.79	27.93
35	134.24	25.55	8.23	Student	18.63	21.24	23.47	24.52	25.55	26.59	27.64	29.87	32.48
	137.33	24.67	3.59	School	21.65	22.79	23.76	24.22	24.67	25.12	25.58	26.56	27.70
40	136.23	25.03	8.23	Student	18.10	20.71	22.94	24.00	25.03	26.06	27.12	29.35	31.96
	138.26	24.45	3.59	School	21.43	22.57	23.54	24.00	24.45	24.90	25.36	26.33	27.47
45	138.15	24.52	8.23	Student	17.59	20.21	22.44	23.49	24.52	25.56	26.61	28.84	31.45
	139.16	24.24	3.59	School	21.21	22.35	23.33	23.78	24.24	24.69	25.15	26.12	27.26
48	139.29	24.22	8.23	Student	17.29	19.91	22.14	23.19	24.22	25.26	26.31	28.54	31.15
	139.69	24.11	3.59	School	21.08	22.22	23.20	23.66	24.11	24.56	25.02	25.99	27.13
50	140.04	24.02	8.23	Student	17.09	19.71	21.94	22.99	24.02	25.06	26.11	28.34	30.95
	140.04	24.02	3.59	School	21.00	22.14	23.11	23.57	24.02	24.47	24.93	25.91	27.05
52	140.80	23.82	8.23	Student	16.89	19.51	21.74	22.79	23.82	24.86	25.91	28.14	30.75
	140.40	23.94	3.59	School	20.92	22.05	23.03	23.49	23.94	24.39	24.85	25.82	26.96
55	141.94	23.52	8.23	Student	16.59	19.21	21.44	22.49	23.52	24.56	25.61	27.84	30.45
	140.93	23.81	3.59	School	20.79	21.93	22.90	23.36	23.81	24.26	24.72	25.70	26.83
60	143.86	23.02	8.23	Student	16.09	18.70	20.93	21.98	23.02	24.05	25.10	27.33	29.95
	141.82	23.60	3.59	School	20.57	21.71	22.69	23.14	23.60	24.05	24.51	25.48	26.62
65	145.85	22.49	8.23	Student	15.56	18.17	20.41	21.46	22.49	23.53	24.58	26.81	29.42
	142.75	23.37	3.59	School	20.35	21.49	22.46	22.92	23.37	23.82	24.28	25.26	26.40
70	147.94	21.94	8.23	Student	15.01	17.62	19.85	20.91	21.94	22.97	24.03	26.26	28.87
	143.73	23.14	3.59	School	20.11	21.25	22.23	22.69	23.14	23.59	24.05	25.02	26.16
75	150.20	21.34	8.23	Student	14.41	17.03	19.26	20.31	21.34	22.38	23.43	25.66	28.27
	144.79	22.89	3.59	School	19.86	21.00	21.98	22.43	22.89	23.34	23.80	24.77	25.91
80	152.72	20.68	8.23	Student	13.75	16.36	18.59	19.64	20.68	21.71	22.77	25.00	27.61
	145.96	22.60	3.59	School	19.58	20.72	21.69	22.15	22.60	23.05	23.51	24.49	25.63
85	155.65	19.91	8.23	Student	12.98	15.59	17.82	18.87	19.91	20.94	21.99	24.22	26.83
	147.33	22.27	3.59	School	19.25	20.39	21.36	21.82	22.27	22.73	23.18	24.16	25.30
90	159.34	18.93	8.23	Student	12.00	14.61	16.85	17.90	18.93	19.97	21.02	23.25	25.86
	149.05	21.86	3.59	School	18.84	19.98	20.95	21.41	21.86	22.31	22.77	23.75	24.88

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.2: Mathematics Grade K From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	120.75	23.23	6.88	Student	17.44	19.63	21.49	22.37	23.23	24.10	24.97	26.84	29.02
	131.03	20.78	2.80	School	18.43	19.32	20.07	20.43	20.78	21.13	21.49	22.25	23.14
20	127.37	21.81	6.88	Student	16.03	18.21	20.07	20.95	21.81	22.68	23.56	25.42	27.60
	134.13	20.21	2.80	School	17.85	18.74	19.50	19.85	20.21	20.56	20.91	21.67	22.56
25	129.89	21.28	6.88	Student	15.49	17.67	19.53	20.41	21.28	22.14	23.02	24.88	27.06
	135.30	19.99	2.80	School	17.63	18.52	19.28	19.63	19.99	20.34	20.69	21.45	22.34
30	132.15	20.79	6.88	Student	15.00	17.19	19.05	19.93	20.79	21.66	22.53	24.40	26.58
	136.36	19.79	2.80	School	17.44	18.32	19.08	19.44	19.79	20.14	20.50	21.26	22.14
35	134.24	20.34	6.88	Student	14.56	16.74	18.60	19.48	20.34	21.21	22.09	23.95	26.13
	137.33	19.61	2.80	School	17.25	18.14	18.90	19.26	19.61	19.96	20.31	21.07	21.96
40	136.23	19.92	6.88	Student	14.13	16.31	18.18	19.05	19.92	20.78	21.66	23.52	25.70
	138.26	19.43	2.80	School	17.08	17.97	18.73	19.08	19.43	19.78	20.14	20.90	21.79
45	138.15	19.51	6.88	Student	13.72	15.90	17.76	18.64	19.51	20.37	21.25	23.11	25.29
	139.16	19.27	2.80	School	16.91	17.80	18.56	18.91	19.27	19.62	19.97	20.73	21.62
48	139.29	19.26	6.88	Student	13.48	15.66	17.52	18.40	19.26	20.13	21.00	22.87	25.05
	139.69	19.17	2.80	School	16.81	17.70	18.46	18.82	19.17	19.52	19.88	20.63	21.52
50	140.04	19.10	6.88	Student	13.31	15.49	17.36	18.24	19.10	19.96	20.84	22.71	24.89
	140.04	19.10	2.80	School	16.75	17.63	18.39	18.75	19.10	19.45	19.81	20.57	21.45
52	140.80	18.94	6.88	Student	13.15	15.33	17.20	18.08	18.94	19.80	20.68	22.55	24.73
	140.40	19.04	2.80	School	16.68	17.57	18.33	18.68	19.04	19.39	19.74	20.50	21.39
55	141.94	18.70	6.88	Student	12.91	15.09	16.95	17.83	18.70	19.56	20.44	22.30	24.48
	140.93	18.94	2.80	School	16.58	17.47	18.23	18.58	18.94	19.29	19.64	20.40	21.29
60	143.86	18.28	6.88	Student	12.50	14.68	16.54	17.42	18.28	19.15	20.03	21.89	24.07
	141.82	18.77	2.80	School	16.42	17.30	18.06	18.42	18.77	19.12	19.48	20.23	21.12
65	145.85	17.86	6.88	Student	12.07	14.25	16.12	16.99	17.86	18.72	19.60	21.46	23.65
	142.75	18.60	2.80	School	16.24	17.13	17.89	18.24	18.60	18.95	19.30	20.06	20.95
70	147.94	17.41	6.88	Student	11.62	13.80	15.67	16.55	17.41	18.27	19.15	21.02	23.20
	143.73	18.41	2.80	School	16.06	16.95	17.70	18.06	18.41	18.76	19.12	19.88	20.77
75	150.20	16.93	6.88	Student	11.14	13.32	15.18	16.06	16.93	17.79	18.67	20.53	22.71
	144.79	18.22	2.80	School	15.86	16.75	17.51	17.86	18.22	18.57	18.92	19.68	20.57
80	152.72	16.39	6.88	Student	10.60	12.78	14.65	15.52	16.39	17.25	18.13	19.99	22.18
	145.96	18.00	2.80	School	15.64	16.53	17.29	17.64	18.00	18.35	18.70	19.46	20.35
85	155.65	15.76	6.88	Student	9.97	12.15	14.02	14.90	15.76	16.62	17.50	19.37	21.55
	147.33	17.74	2.80	School	15.39	16.27	17.03	17.39	17.74	18.09	18.45	19.21	20.09
90	159.34	14.97	6.88	Student	9.18	11.36	13.23	14.11	14.97	15.83	16.71	18.58	20.76
	149.05	17.42	2.80	School	15.07	15.95	16.71	17.07	17.42	17.77	18.13	18.88	19.77

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.3: Mathematics Grade K From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	120.75	14.12	5.15	Student	9.78	11.42	12.81	13.47	14.12	14.77	15.43	16.82	18.46
	131.03	12.39	1.60	School	11.05	11.55	11.99	12.19	12.39	12.59	12.80	13.23	13.74
20	127.37	13.20	5.15	Student	8.86	10.49	11.89	12.55	13.20	13.84	14.50	15.90	17.53
	134.13	12.06	1.60	School	10.72	11.22	11.66	11.86	12.06	12.26	12.47	12.90	13.41
25	129.89	12.85	5.15	Student	8.51	10.14	11.54	12.20	12.85	13.49	14.15	15.55	17.18
	135.30	11.94	1.60	School	10.59	11.10	11.53	11.74	11.94	12.14	12.34	12.78	13.28
30	132.15	12.53	5.15	Student	8.19	9.83	11.23	11.88	12.53	13.18	13.84	15.23	16.87
	136.36	11.82	1.60	School	10.48	10.99	11.42	11.62	11.82	12.03	12.23	12.66	13.17
35	134.24	12.24	5.15	Student	7.90	9.54	10.93	11.59	12.24	12.89	13.55	14.94	16.58
	137.33	11.72	1.60	School	10.37	10.88	11.31	11.52	11.72	11.92	12.13	12.56	13.07
40	136.23	11.96	5.15	Student	7.63	9.26	10.66	11.32	11.96	12.61	13.27	14.67	16.30
	138.26	11.62	1.60	School	10.27	10.78	11.22	11.42	11.62	11.82	12.03	12.46	12.97
45	138.15	11.69	5.15	Student	7.36	8.99	10.39	11.05	11.69	12.34	13.00	14.40	16.03
	139.16	11.53	1.60	School	10.18	10.69	11.12	11.32	11.53	11.73	11.93	12.36	12.87
48	139.29	11.54	5.15	Student	7.20	8.83	10.23	10.89	11.54	12.18	12.84	14.24	15.87
	139.69	11.47	1.60	School	10.12	10.63	11.06	11.27	11.47	11.67	11.87	12.31	12.82
50	140.04	11.43	5.15	Student	7.09	8.73	10.13	10.78	11.43	12.08	12.74	14.13	15.77
	140.04	11.43	1.60	School	10.08	10.59	11.03	11.23	11.43	11.63	11.84	12.27	12.78
52	140.80	11.33	5.15	Student	6.99	8.62	10.02	10.68	11.33	11.97	12.63	14.03	15.66
	140.40	11.39	1.60	School	10.05	10.55	10.99	11.19	11.39	11.59	11.80	12.23	12.74
55	141.94	11.17	5.15	Student	6.83	8.46	9.86	10.52	11.17	11.82	12.47	13.87	15.51
	140.93	11.34	1.60	School	9.99	10.50	10.93	11.14	11.34	11.54	11.74	12.18	12.68
60	143.86	10.90	5.15	Student	6.56	8.20	9.59	10.25	10.90	11.55	12.21	13.60	15.24
	141.82	11.24	1.60	School	9.89	10.40	10.84	11.04	11.24	11.44	11.65	12.08	12.59
65	145.85	10.62	5.15	Student	6.29	7.92	9.32	9.98	10.62	11.27	11.93	13.33	14.96
	142.75	11.14	1.60	School	9.79	10.30	10.74	10.94	11.14	11.34	11.55	11.98	12.49
70	147.94	10.33	5.15	Student	5.99	7.63	9.03	9.68	10.33	10.98	11.64	13.03	14.67
	143.73	11.04	1.60	School	9.69	10.20	10.63	10.84	11.04	11.24	11.44	11.88	12.38
75	150.20	10.02	5.15	Student	5.68	7.31	8.71	9.37	10.02	10.66	11.32	12.72	14.35
	144.79	10.92	1.60	School	9.58	10.09	10.52	10.72	10.92	11.13	11.33	11.76	12.27
80	152.72	9.67	5.15	Student	5.33	6.96	8.36	9.02	9.67	10.31	10.97	12.37	14.00
	145.96	10.80	1.60	School	9.45	9.96	10.39	10.60	10.80	11.00	11.21	11.64	12.15
85	155.65	9.26	5.15	Student	4.92	6.55	7.95	8.61	9.26	9.90	10.56	11.96	13.59
	147.33	10.65	1.60	School	9.31	9.81	10.25	10.45	10.65	10.85	11.06	11.49	12.00
90	159.34	8.74	5.15	Student	4.40	6.04	7.44	8.09	8.74	9.39	10.05	11.44	13.08
	149.05	10.47	1.60	School	9.12	9.63	10.06	10.27	10.47	10.67	10.87	11.31	11.82

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.4: Mathematics Grade K From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean		SD	CGI	20	30	40	45	50	55	60	70
10	133.60	9.16	4.89	Student	5.04	6.60	7.92	8.55	9.16	9.78	10.40	11.73	13.28	
	143.17	7.99	1.30	School	6.90	7.31	7.66	7.83	7.99	8.15	8.32	8.67	9.08	
20	139.74	8.65	4.89	Student	4.53	6.08	7.41	8.03	8.65	9.26	9.89	11.21	12.77	
	146.02	7.88	1.30	School	6.79	7.20	7.55	7.72	7.88	8.04	8.21	8.56	8.97	
25	142.07	8.45	4.89	Student	4.34	5.89	7.22	7.84	8.45	9.07	9.69	11.02	12.57	
	147.10	7.84	1.30	School	6.75	7.16	7.51	7.68	7.84	8.00	8.17	8.52	8.93	
30	144.16	8.28	4.89	Student	4.16	5.71	7.04	7.67	8.28	8.89	9.52	10.85	12.40	
	148.08	7.80	1.30	School	6.71	7.12	7.47	7.64	7.80	7.96	8.13	8.48	8.89	
35	146.10	8.12	4.89	Student	4.00	5.55	6.88	7.50	8.12	8.73	9.36	10.68	12.24	
	148.98	7.77	1.30	School	6.67	7.08	7.44	7.60	7.77	7.93	8.10	8.45	8.86	
40	147.94	7.96	4.89	Student	3.85	5.40	6.73	7.35	7.96	8.58	9.20	10.53	12.08	
	149.83	7.73	1.30	School	6.64	7.05	7.40	7.57	7.73	7.90	8.06	8.41	8.83	
45	149.72	7.82	4.89	Student	3.70	5.25	6.58	7.20	7.82	8.43	9.06	10.38	11.93	
	150.66	7.70	1.30	School	6.61	7.02	7.37	7.54	7.70	7.86	8.03	8.38	8.79	
48	150.78	7.73	4.89	Student	3.61	5.16	6.49	7.11	7.73	8.34	8.97	10.29	11.85	
	151.15	7.68	1.30	School	6.59	7.00	7.35	7.52	7.68	7.85	8.01	8.36	8.78	
50	151.47	7.67	4.89	Student	3.55	5.10	6.43	7.05	7.67	8.28	8.91	10.23	11.79	
	151.47	7.67	1.30	School	6.58	6.99	7.34	7.51	7.67	7.83	8.00	8.35	8.76	
52	152.17	7.61	4.89	Student	3.49	5.05	6.37	7.00	7.61	8.23	8.85	10.18	11.73	
	151.80	7.66	1.30	School	6.56	6.98	7.33	7.49	7.66	7.82	7.99	8.34	8.75	
55	153.23	7.52	4.89	Student	3.41	4.96	6.28	6.91	7.52	8.14	8.76	10.09	11.64	
	152.29	7.64	1.30	School	6.55	6.96	7.31	7.48	7.64	7.80	7.97	8.32	8.73	
60	155.01	7.37	4.89	Student	3.26	4.81	6.14	6.76	7.37	7.99	8.61	9.94	11.49	
	153.12	7.61	1.30	School	6.51	6.93	7.28	7.44	7.61	7.77	7.94	8.29	8.70	
65	156.85	7.22	4.89	Student	3.10	4.66	5.98	6.61	7.22	7.84	8.46	9.79	11.34	
	153.97	7.57	1.30	School	6.48	6.89	7.24	7.41	7.57	7.74	7.90	8.25	8.67	
70	158.79	7.06	4.89	Student	2.94	4.49	5.82	6.44	7.06	7.67	8.30	9.62	11.18	
	154.87	7.54	1.30	School	6.45	6.86	7.21	7.38	7.54	7.70	7.87	8.22	8.63	
75	160.88	6.88	4.89	Student	2.77	4.32	5.65	6.27	6.88	7.50	8.12	9.45	11.00	
	155.85	7.50	1.30	School	6.41	6.82	7.17	7.34	7.50	7.66	7.83	8.18	8.59	
80	163.21	6.69	4.89	Student	2.57	4.13	5.45	6.08	6.69	7.31	7.93	9.26	10.81	
	156.93	7.46	1.30	School	6.37	6.78	7.13	7.30	7.46	7.62	7.79	8.14	8.55	
85	165.93	6.46	4.89	Student	2.35	3.90	5.22	5.85	6.46	7.08	7.70	9.03	10.58	
	158.19	7.41	1.30	School	6.32	6.73	7.08	7.25	7.41	7.57	7.74	8.09	8.50	
90	169.35	6.18	4.89	Student	2.06	3.61	4.94	5.56	6.18	6.79	7.42	8.74	10.30	
	159.78	7.35	1.30	School	6.26	6.67	7.02	7.19	7.35	7.51	7.68	8.03	8.44	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.5: Mathematics Grade 1 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	132.83	26.41	6.17	Student	21.22	23.18	24.85	25.64	26.41	27.19	27.98	29.65	31.61
	142.62	24.46	2.60	School	22.27	23.09	23.80	24.13	24.46	24.79	25.12	25.83	26.65
20	139.18	25.07	6.17	Student	19.88	21.84	23.51	24.30	25.07	25.85	26.64	28.31	30.27
	145.61	23.79	2.60	School	21.60	22.42	23.13	23.46	23.79	24.12	24.45	25.16	25.98
25	141.60	24.56	6.17	Student	19.37	21.33	23.00	23.79	24.56	25.34	26.13	27.80	29.76
	146.75	23.53	2.60	School	21.34	22.17	22.87	23.21	23.53	23.86	24.19	24.90	25.73
30	143.77	24.11	6.17	Student	18.91	20.87	22.54	23.33	24.11	24.88	25.67	27.34	29.30
	147.77	23.31	2.60	School	21.11	21.94	22.65	22.98	23.31	23.63	23.97	24.67	25.50
35	145.77	23.68	6.17	Student	18.49	20.45	22.12	22.91	23.68	24.46	25.24	26.92	28.87
	148.72	23.09	2.60	School	20.90	21.73	22.43	22.77	23.09	23.42	23.75	24.46	25.29
40	147.68	23.28	6.17	Student	18.09	20.04	21.72	22.50	23.28	24.05	24.84	26.51	28.47
	149.62	22.89	2.60	School	20.70	21.53	22.23	22.57	22.89	23.22	23.55	24.26	25.08
45	149.53	22.89	6.17	Student	17.70	19.65	21.33	22.11	22.89	23.66	24.45	26.13	28.08
	150.49	22.70	2.60	School	20.51	21.33	22.04	22.37	22.70	23.03	23.36	24.06	24.89
48	150.62	22.66	6.17	Student	17.47	19.42	21.10	21.88	22.66	23.43	24.22	25.89	27.85
	151.00	22.58	2.60	School	20.39	21.22	21.92	22.26	22.58	22.91	23.24	23.95	24.77
50	151.34	22.51	6.17	Student	17.31	19.27	20.94	21.73	22.51	23.28	24.07	25.74	27.70
	151.34	22.51	2.60	School	20.31	21.14	21.85	22.18	22.51	22.83	23.17	23.87	24.70
52	152.07	22.35	6.17	Student	17.16	19.12	20.79	21.58	22.35	23.13	23.92	25.59	27.55
	151.68	22.43	2.60	School	20.24	21.06	21.77	22.10	22.43	22.76	23.09	23.80	24.62
55	153.16	22.12	6.17	Student	16.93	18.89	20.56	21.35	22.12	22.90	23.69	25.36	27.32
	152.20	22.31	2.60	School	20.12	20.95	21.65	21.99	22.31	22.64	22.97	23.68	24.51
60	155.00	21.73	6.17	Student	16.54	18.50	20.17	20.96	21.73	22.51	23.30	24.97	26.93
	153.06	22.12	2.60	School	19.93	20.75	21.46	21.79	22.12	22.45	22.78	23.49	24.31
65	156.91	21.33	6.17	Student	16.14	18.10	19.77	20.56	21.33	22.11	22.89	24.57	26.52
	153.96	21.92	2.60	School	19.73	20.55	21.26	21.59	21.92	22.25	22.58	23.28	24.11
70	158.92	20.91	6.17	Student	15.71	17.67	19.34	20.13	20.91	21.68	22.47	24.14	26.10
	154.91	21.71	2.60	School	19.51	20.34	21.05	21.38	21.71	22.03	22.37	23.07	23.90
75	161.08	20.45	6.17	Student	15.26	17.21	18.89	19.67	20.45	21.22	22.01	23.69	25.64
	155.93	21.48	2.60	School	19.29	20.11	20.82	21.15	21.48	21.81	22.14	22.84	23.67
80	163.50	19.94	6.17	Student	14.75	16.70	18.38	19.16	19.94	20.72	21.50	23.18	25.13
	157.07	21.22	2.60	School	19.03	19.86	20.56	20.90	21.22	21.55	21.88	22.59	23.42
85	166.31	19.35	6.17	Student	14.15	16.11	17.78	18.57	19.35	20.12	20.91	22.58	24.54
	158.39	20.93	2.60	School	18.73	19.56	20.27	20.60	20.93	21.25	21.59	22.29	23.12
90	169.85	18.60	6.17	Student	13.41	15.36	17.03	17.82	18.60	19.37	20.16	21.83	23.79
	160.06	20.55	2.60	School	18.36	19.19	19.89	20.23	20.55	20.88	21.21	21.92	22.74

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.6: Mathematics Grade 1 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	139.17	26.35	6.59	Student	20.80	22.89	24.68	25.52	26.35	27.17	28.02	29.80	31.89
	149.79	23.84	2.91	School	21.39	22.31	23.10	23.47	23.84	24.20	24.58	25.36	26.29
20	146.19	24.58	6.59	Student	19.04	21.12	22.91	23.75	24.58	25.41	26.25	28.03	30.12
	153.17	22.93	2.91	School	20.48	21.40	22.19	22.57	22.93	23.30	23.67	24.46	25.38
25	148.86	23.91	6.59	Student	18.36	20.45	22.24	23.08	23.91	24.73	25.57	27.36	29.45
	154.45	22.59	2.91	School	20.14	21.06	21.85	22.22	22.59	22.95	23.32	24.11	25.03
30	151.25	23.30	6.59	Student	17.76	19.85	21.63	22.48	23.30	24.13	24.97	26.76	28.85
	155.60	22.28	2.91	School	19.83	20.75	21.54	21.91	22.28	22.64	23.01	23.80	24.73
35	153.47	22.74	6.59	Student	17.20	19.29	21.08	21.92	22.74	23.57	24.41	26.20	28.29
	156.66	21.99	2.91	School	19.54	20.46	21.25	21.62	21.99	22.36	22.73	23.52	24.44
40	155.58	22.21	6.59	Student	16.67	18.76	20.54	21.39	22.21	23.04	23.88	25.67	27.76
	157.68	21.72	2.91	School	19.27	20.19	20.98	21.35	21.72	22.08	22.45	23.24	24.17
45	157.61	21.70	6.59	Student	16.16	18.25	20.03	20.87	21.70	22.53	23.37	25.15	27.24
	158.66	21.45	2.91	School	19.01	19.93	20.72	21.09	21.45	21.82	22.19	22.98	23.90
48	158.82	21.40	6.59	Student	15.85	17.94	19.73	20.57	21.40	22.22	23.06	24.85	26.94
	159.23	21.30	2.91	School	18.85	19.77	20.56	20.93	21.30	21.66	22.04	22.82	23.75
50	159.62	21.19	6.59	Student	15.65	17.74	19.53	20.37	21.19	22.02	22.86	24.65	26.74
	159.62	21.19	2.91	School	18.75	19.67	20.46	20.83	21.19	21.56	21.93	22.72	23.64
52	160.42	20.99	6.59	Student	15.45	17.54	19.32	20.17	20.99	21.82	22.66	24.45	26.54
	160.00	21.09	2.91	School	18.64	19.57	20.35	20.73	21.09	21.46	21.83	22.62	23.54
55	161.62	20.69	6.59	Student	15.15	17.24	19.02	19.86	20.69	21.52	22.36	24.14	26.23
	160.58	20.94	2.91	School	18.49	19.41	20.20	20.57	20.94	21.30	21.67	22.46	23.38
60	163.66	20.18	6.59	Student	14.63	16.72	18.51	19.35	20.18	21.00	21.84	23.63	25.72
	161.56	20.67	2.91	School	18.22	19.15	19.94	20.31	20.67	21.04	21.41	22.20	23.12
65	165.77	19.65	6.59	Student	14.10	16.19	17.98	18.82	19.65	20.47	21.31	23.10	25.19
	162.57	20.40	2.91	School	17.95	18.87	19.66	20.03	20.40	20.77	21.14	21.93	22.85
70	167.99	19.09	6.59	Student	13.54	15.63	17.42	18.26	19.09	19.91	20.76	22.54	24.63
	163.64	20.11	2.91	School	17.66	18.59	19.38	19.75	20.11	20.48	20.85	21.64	22.56
75	170.38	18.48	6.59	Student	12.94	15.03	16.81	17.66	18.48	19.31	20.15	21.94	24.03
	164.79	19.80	2.91	School	17.35	18.28	19.07	19.44	19.80	20.17	20.54	21.33	22.25
80	173.05	17.81	6.59	Student	12.27	14.36	16.14	16.98	17.81	18.64	19.48	21.26	23.35
	166.07	19.46	2.91	School	17.01	17.93	18.72	19.09	19.46	19.82	20.20	20.98	21.91
85	176.16	17.03	6.59	Student	11.49	13.57	15.36	16.20	17.03	17.86	18.70	20.48	22.57
	167.57	19.06	2.91	School	16.61	17.53	18.32	18.69	19.06	19.42	19.79	20.58	21.51
90	180.07	16.04	6.59	Student	10.50	12.59	14.37	15.21	16.04	16.87	17.71	19.50	21.59
	169.45	18.55	2.91	School	16.10	17.03	17.81	18.19	18.55	18.92	19.29	20.08	21.00

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.7: Mathematics Grade 1 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	145.93	16.21	8.02	Student	9.46	12.01	14.18	15.21	16.21	17.22	18.25	20.42	22.97
	155.08	15.13	3.34	School	12.32	13.38	14.28	14.71	15.13	15.55	15.98	16.88	17.94
20	151.59	15.66	8.02	Student	8.90	11.45	13.62	14.65	15.66	16.66	17.69	19.86	22.41
	157.60	14.94	3.34	School	12.13	13.19	14.10	14.52	14.94	15.36	15.79	16.69	17.75
25	153.74	15.44	8.02	Student	8.69	11.24	13.41	14.43	15.44	16.45	17.48	19.65	22.20
	158.55	14.87	3.34	School	12.06	13.12	14.03	14.45	14.87	15.29	15.72	16.62	17.68
30	155.67	15.25	8.02	Student	8.50	11.04	13.22	14.24	15.25	16.26	17.29	19.46	22.01
	159.41	14.81	3.34	School	12.00	13.06	13.96	14.39	14.81	15.23	15.65	16.56	17.62
35	157.46	15.08	8.02	Student	8.32	10.87	13.04	14.07	15.08	16.08	17.11	19.28	21.83
	160.21	14.75	3.34	School	11.94	13.00	13.90	14.33	14.75	15.17	15.60	16.50	17.56
40	159.16	14.91	8.02	Student	8.15	10.70	12.87	13.90	14.91	15.92	16.94	19.12	21.66
	160.96	14.69	3.34	School	11.88	12.94	13.85	14.27	14.69	15.11	15.54	16.44	17.50
45	160.80	14.75	8.02	Student	7.99	10.54	12.71	13.74	14.75	15.75	16.78	18.95	21.50
	161.70	14.64	3.34	School	11.83	12.89	13.79	14.22	14.64	15.06	15.49	16.39	17.45
48	161.77	14.65	8.02	Student	7.90	10.44	12.62	13.64	14.65	15.66	16.68	18.86	21.40
	162.13	14.61	3.34	School	11.80	12.86	13.76	14.19	14.61	15.03	15.45	16.36	17.42
50	162.42	14.59	8.02	Student	7.83	10.38	12.55	13.58	14.59	15.59	16.62	18.79	21.34
	162.42	14.59	3.34	School	11.78	12.83	13.74	14.17	14.59	15.01	15.43	16.34	17.40
52	163.06	14.52	8.02	Student	7.77	10.31	12.49	13.51	14.52	15.53	16.56	18.73	21.28
	162.70	14.56	3.34	School	11.75	12.81	13.72	14.14	14.56	14.98	15.41	16.32	17.38
55	164.03	14.43	8.02	Student	7.67	10.22	12.39	13.42	14.43	15.43	16.46	18.63	21.18
	163.13	14.53	3.34	School	11.72	12.78	13.69	14.11	14.53	14.95	15.38	16.28	17.34
60	165.68	14.26	8.02	Student	7.51	10.06	12.23	13.26	14.26	15.27	16.30	18.47	21.02
	163.87	14.48	3.34	School	11.67	12.73	13.63	14.06	14.48	14.90	15.32	16.23	17.29
65	167.37	14.10	8.02	Student	7.34	9.89	12.06	13.09	14.10	15.10	16.13	18.30	20.85
	164.62	14.42	3.34	School	11.61	12.67	13.58	14.00	14.42	14.84	15.27	16.17	17.23
70	169.16	13.92	8.02	Student	7.17	9.71	11.89	12.91	13.92	14.93	15.95	18.13	20.67
	165.42	14.36	3.34	School	11.55	12.61	13.52	13.94	14.36	14.78	15.21	16.11	17.17
75	171.09	13.73	8.02	Student	6.98	9.52	11.70	12.72	13.73	14.74	15.76	17.94	20.48
	166.28	14.30	3.34	School	11.49	12.55	13.45	13.88	14.30	14.72	15.15	16.05	17.11
80	173.24	13.52	8.02	Student	6.76	9.31	11.48	12.51	13.52	14.52	15.55	17.72	20.27
	167.23	14.23	3.34	School	11.42	12.48	13.38	13.81	14.23	14.65	15.07	15.98	17.04
85	175.75	13.27	8.02	Student	6.52	9.06	11.24	12.26	13.27	14.28	15.30	17.48	20.02
	168.35	14.15	3.34	School	11.34	12.39	13.30	13.73	14.15	14.57	14.99	15.90	16.96
90	178.91	12.96	8.02	Student	6.20	8.75	10.92	11.95	12.96	13.97	14.99	17.17	19.71
	169.75	14.04	3.34	School	11.23	12.29	13.20	13.62	14.04	14.46	14.89	15.79	16.85

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.8: Mathematics Grade 1 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	145.93	20.15	7.32	Student	13.99	16.31	18.30	19.23	20.15	21.07	22.01	23.99	26.31
	155.08	18.60	2.98	School	16.09	17.04	17.85	18.23	18.60	18.98	19.36	20.17	21.12
20	151.59	19.55	7.32	Student	13.39	15.71	17.70	18.63	19.55	20.47	21.40	23.39	25.71
	157.60	18.53	2.98	School	16.02	16.97	17.78	18.16	18.53	18.91	19.29	20.10	21.04
25	153.74	19.32	7.32	Student	13.16	15.48	17.47	18.40	19.32	20.24	21.18	23.16	25.48
	158.55	18.51	2.98	School	16.00	16.94	17.75	18.13	18.51	18.88	19.26	20.07	21.02
30	155.67	19.12	7.32	Student	12.96	15.28	17.26	18.20	19.12	20.04	20.97	22.95	25.28
	159.41	18.48	2.98	School	15.97	16.92	17.73	18.11	18.48	18.86	19.24	20.05	20.99
35	157.46	18.93	7.32	Student	12.77	15.09	17.07	18.01	18.93	19.85	20.78	22.76	25.09
	160.21	18.46	2.98	School	15.95	16.90	17.70	18.09	18.46	18.84	19.22	20.03	20.97
40	159.16	18.75	7.32	Student	12.58	14.91	16.89	17.83	18.75	19.66	20.60	22.58	24.91
	160.96	18.44	2.98	School	15.93	16.87	17.68	18.06	18.44	18.81	19.20	20.00	20.95
45	160.80	18.57	7.32	Student	12.41	14.73	16.72	17.65	18.57	19.49	20.42	22.41	24.73
	161.70	18.42	2.98	School	15.91	16.85	17.66	18.04	18.42	18.79	19.17	19.98	20.93
48	161.77	18.47	7.32	Student	12.31	14.63	16.61	17.55	18.47	19.39	20.32	22.31	24.63
	162.13	18.41	2.98	School	15.90	16.84	17.65	18.03	18.41	18.78	19.16	19.97	20.92
50	162.42	18.40	7.32	Student	12.24	14.56	16.54	17.48	18.40	19.32	20.25	22.24	24.56
	162.42	18.40	2.98	School	15.89	16.83	17.64	18.02	18.40	18.77	19.15	19.96	20.91
52	163.06	18.33	7.32	Student	12.17	14.49	16.48	17.41	18.33	19.25	20.18	22.17	24.49
	162.70	18.39	2.98	School	15.88	16.83	17.63	18.02	18.39	18.77	19.15	19.96	20.90
55	164.03	18.23	7.32	Student	12.07	14.39	16.37	17.31	18.23	19.15	20.08	22.07	24.39
	163.13	18.38	2.98	School	15.87	16.81	17.62	18.00	18.38	18.75	19.13	19.94	20.89
60	165.68	18.05	7.32	Student	11.89	14.21	16.20	17.13	18.05	18.97	19.91	21.89	24.21
	163.87	18.36	2.98	School	15.85	16.79	17.60	17.98	18.36	18.73	19.11	19.92	20.87
65	167.37	17.87	7.32	Student	11.71	14.03	16.02	16.95	17.87	18.79	19.73	21.71	24.03
	164.62	18.34	2.98	School	15.83	16.77	17.58	17.96	18.34	18.71	19.09	19.90	20.85
70	169.16	17.68	7.32	Student	11.52	13.84	15.83	16.76	17.68	18.60	19.54	21.52	23.84
	165.42	18.31	2.98	School	15.80	16.75	17.56	17.94	18.31	18.69	19.07	19.88	20.83
75	171.09	17.48	7.32	Student	11.32	13.64	15.62	16.56	17.48	18.40	19.33	21.31	23.64
	166.28	18.29	2.98	School	15.78	16.73	17.53	17.92	18.29	18.67	19.05	19.86	20.80
80	173.24	17.25	7.32	Student	11.09	13.41	15.39	16.33	17.25	18.17	19.10	21.09	23.41
	167.23	18.26	2.98	School	15.75	16.70	17.51	17.89	18.26	18.64	19.02	19.83	20.78
85	175.75	16.98	7.32	Student	10.82	13.14	15.13	16.06	16.98	17.90	18.84	20.82	23.14
	168.35	18.23	2.98	School	15.72	16.67	17.48	17.86	18.23	18.61	18.99	19.80	20.74
90	178.91	16.65	7.32	Student	10.49	12.81	14.79	15.73	16.65	17.57	18.50	20.48	22.81
	169.75	18.19	2.98	School	15.68	16.63	17.44	17.82	18.19	18.57	18.95	19.76	20.71

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.9: Mathematics Grade 1 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	145.93	12.82	5.39	Student	8.28	9.99	11.45	12.14	12.82	13.49	14.18	15.64	17.35
	155.08	11.55	1.71	School	10.11	10.65	11.12	11.33	11.55	11.76	11.98	12.44	12.98
20	151.59	12.34	5.39	Student	7.80	9.51	10.98	11.66	12.34	13.02	13.71	15.17	16.88
	157.60	11.51	1.71	School	10.07	10.61	11.08	11.29	11.51	11.72	11.94	12.40	12.94
25	153.74	12.16	5.39	Student	7.62	9.33	10.80	11.48	12.16	12.84	13.53	14.99	16.70
	158.55	11.49	1.71	School	10.06	10.60	11.06	11.28	11.49	11.71	11.93	12.39	12.93
30	155.67	12.00	5.39	Student	7.46	9.17	10.63	11.32	12.00	12.68	13.36	14.83	16.54
	159.41	11.48	1.71	School	10.04	10.59	11.05	11.27	11.48	11.69	11.91	12.37	12.92
35	157.46	11.85	5.39	Student	7.31	9.02	10.48	11.17	11.85	12.53	13.21	14.68	16.39
	160.21	11.47	1.71	School	10.03	10.57	11.03	11.25	11.47	11.68	11.90	12.36	12.90
40	159.16	11.71	5.39	Student	7.17	8.88	10.34	11.03	11.71	12.38	13.07	14.53	16.24
	160.96	11.45	1.71	School	10.02	10.56	11.02	11.24	11.45	11.67	11.89	12.35	12.89
45	160.80	11.57	5.39	Student	7.03	8.74	10.20	10.89	11.57	12.24	12.93	14.39	16.10
	161.70	11.44	1.71	School	10.01	10.55	11.01	11.23	11.44	11.66	11.88	12.34	12.88
48	161.77	11.49	5.39	Student	6.95	8.66	10.12	10.81	11.49	12.16	12.85	14.31	16.02
	162.13	11.44	1.71	School	10.00	10.54	11.00	11.22	11.44	11.65	11.87	12.33	12.87
50	162.42	11.43	5.39	Student	6.89	8.60	10.07	10.75	11.43	12.11	12.80	14.26	15.97
	162.42	11.43	1.71	School	10.00	10.54	11.00	11.22	11.43	11.65	11.86	12.33	12.87
52	163.06	11.38	5.39	Student	6.84	8.55	10.01	10.70	11.38	12.05	12.74	14.20	15.91
	162.70	11.43	1.71	School	9.99	10.53	10.99	11.21	11.43	11.64	11.86	12.32	12.86
55	164.03	11.30	5.39	Student	6.76	8.47	9.93	10.62	11.30	11.97	12.66	14.12	15.83
	163.13	11.42	1.71	School	9.98	10.53	10.99	11.21	11.42	11.63	11.85	12.31	12.86
60	165.68	11.16	5.39	Student	6.62	8.33	9.79	10.48	11.16	11.84	12.52	13.98	15.69
	163.87	11.41	1.71	School	9.97	10.51	10.98	11.19	11.41	11.62	11.84	12.30	12.84
65	167.37	11.01	5.39	Student	6.48	8.19	9.65	10.34	11.01	11.69	12.38	13.84	15.55
	164.62	11.40	1.71	School	9.96	10.50	10.96	11.18	11.40	11.61	11.83	12.29	12.83
70	169.16	10.86	5.39	Student	6.33	8.04	9.50	10.19	10.86	11.54	12.23	13.69	15.40
	165.42	11.38	1.71	School	9.95	10.49	10.95	11.17	11.38	11.60	11.82	12.28	12.82
75	171.09	10.70	5.39	Student	6.17	7.88	9.34	10.02	10.70	11.38	12.07	13.53	15.24
	166.28	11.37	1.71	School	9.93	10.48	10.94	11.16	11.37	11.58	11.80	12.26	12.81
80	173.24	10.52	5.39	Student	5.98	7.69	9.16	9.84	10.52	11.20	11.89	13.35	15.06
	167.23	11.35	1.71	School	9.92	10.46	10.92	11.14	11.35	11.57	11.79	12.25	12.79
85	175.75	10.31	5.39	Student	5.77	7.48	8.95	9.63	10.31	10.99	11.68	13.14	14.85
	168.35	11.34	1.71	School	9.90	10.44	10.90	11.12	11.34	11.55	11.77	12.23	12.77
90	178.91	10.05	5.39	Student	5.51	7.22	8.68	9.37	10.05	10.72	11.41	12.87	14.58
	169.75	11.31	1.71	School	9.88	10.42	10.88	11.10	11.31	11.53	11.75	12.21	12.75

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.10: Mathematics Grade 1 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	157.24	7.31	4.98	Student	3.12	4.70	6.05	6.69	7.31	7.94	8.58	9.93	11.51	
	166.30	6.58	1.24	School	5.53	5.92	6.26	6.42	6.58	6.73	6.89	7.23	7.62	
20	162.94	7.20	4.98	Student	3.00	4.58	5.93	6.57	7.20	7.82	8.46	9.81	11.39	
	168.89	6.71	1.24	School	5.66	6.06	6.40	6.55	6.71	6.87	7.03	7.36	7.76	
25	165.11	7.15	4.98	Student	2.96	4.54	5.89	6.52	7.15	7.78	8.41	9.76	11.34	
	169.88	6.76	1.24	School	5.71	6.11	6.45	6.61	6.76	6.92	7.08	7.41	7.81	
30	167.05	7.11	4.98	Student	2.92	4.50	5.85	6.48	7.11	7.74	8.37	9.72	11.30	
	170.76	6.81	1.24	School	5.76	6.15	6.49	6.65	6.81	6.96	7.12	7.46	7.85	
35	168.85	7.07	4.98	Student	2.88	4.46	5.81	6.45	7.07	7.70	8.33	9.68	11.26	
	171.58	6.85	1.24	School	5.80	6.20	6.53	6.69	6.85	7.01	7.16	7.50	7.90	
40	170.56	7.04	4.98	Student	2.84	4.42	5.77	6.41	7.04	7.66	8.30	9.65	11.23	
	172.36	6.89	1.24	School	5.84	6.24	6.57	6.73	6.89	7.05	7.21	7.54	7.94	
45	172.22	7.00	4.98	Student	2.81	4.39	5.74	6.38	7.00	7.63	8.26	9.61	11.19	
	173.11	6.93	1.24	School	5.88	6.28	6.61	6.77	6.93	7.09	7.24	7.58	7.98	
48	173.20	6.98	4.98	Student	2.79	4.37	5.72	6.35	6.98	7.61	8.24	9.59	11.17	
	173.55	6.95	1.24	School	5.90	6.30	6.64	6.80	6.95	7.11	7.27	7.60	8.00	
50	173.85	6.97	4.98	Student	2.78	4.36	5.71	6.34	6.97	7.59	8.23	9.58	11.16	
	173.85	6.97	1.24	School	5.92	6.31	6.65	6.81	6.97	7.12	7.28	7.62	8.01	
52	174.50	6.95	4.98	Student	2.76	4.34	5.69	6.33	6.95	7.58	8.22	9.57	11.15	
	174.14	6.98	1.24	School	5.93	6.33	6.67	6.83	6.98	7.14	7.30	7.63	8.03	
55	175.48	6.93	4.98	Student	2.74	4.32	5.67	6.31	6.93	7.56	8.19	9.54	11.12	
	174.59	7.01	1.24	School	5.96	6.35	6.69	6.85	7.01	7.16	7.32	7.66	8.05	
60	177.13	6.90	4.98	Student	2.71	4.29	5.64	6.27	6.90	7.52	8.16	9.51	11.09	
	175.34	7.04	1.24	School	6.00	6.39	6.73	6.89	7.04	7.20	7.36	7.70	8.09	
65	178.84	6.86	4.98	Student	2.67	4.25	5.60	6.24	6.86	7.49	8.12	9.47	11.05	
	176.12	7.08	1.24	School	6.04	6.43	6.77	6.93	7.08	7.24	7.40	7.74	8.13	
70	180.64	6.82	4.98	Student	2.63	4.21	5.56	6.20	6.82	7.45	8.09	9.44	11.02	
	176.93	7.13	1.24	School	6.08	6.47	6.81	6.97	7.13	7.28	7.44	7.78	8.17	
75	182.59	6.78	4.98	Student	2.59	4.17	5.52	6.16	6.78	7.41	8.05	9.40	10.98	
	177.82	7.17	1.24	School	6.12	6.52	6.86	7.02	7.17	7.33	7.49	7.83	8.22	
80	184.75	6.74	4.98	Student	2.55	4.13	5.48	6.11	6.74	7.36	8.00	9.35	10.93	
	178.80	7.22	1.24	School	6.18	6.57	6.91	7.07	7.22	7.38	7.54	7.88	8.27	
85	187.28	6.69	4.98	Student	2.49	4.07	5.42	6.06	6.69	7.31	7.95	9.30	10.88	
	179.95	7.28	1.24	School	6.24	6.63	6.97	7.13	7.28	7.44	7.60	7.94	8.33	
90	190.46	6.62	4.98	Student	2.43	4.01	5.36	5.99	6.62	7.25	7.88	9.23	10.81	
	181.39	7.36	1.24	School	6.31	6.70	7.04	7.20	7.36	7.51	7.67	8.01	8.40	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.11: Mathematics Grade 2 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	154.47	16.91	5.88	Student	11.96	13.83	15.42	16.17	16.91	17.65	18.40	20.00	21.87
	164.35	14.96	2.27	School	13.05	13.77	14.38	14.67	14.96	15.24	15.53	16.15	16.87
20	160.76	15.78	5.88	Student	10.83	12.69	14.29	15.04	15.78	16.52	17.27	18.86	20.73
	167.25	14.49	2.27	School	12.58	13.30	13.92	14.21	14.49	14.78	15.07	15.68	16.40
25	163.15	15.35	5.88	Student	10.39	12.26	13.85	14.61	15.35	16.08	16.84	18.43	20.30
	168.35	14.32	2.27	School	12.41	13.13	13.74	14.03	14.32	14.60	14.89	15.51	16.23
30	165.29	14.96	5.88	Student	10.01	11.87	13.47	14.22	14.96	15.70	16.45	18.04	19.91
	169.34	14.16	2.27	School	12.25	12.97	13.58	13.87	14.16	14.44	14.73	15.35	16.07
35	167.28	14.60	5.88	Student	9.65	11.51	13.11	13.86	14.60	15.34	16.09	17.68	19.55
	170.25	14.01	2.27	School	12.10	12.82	13.43	13.72	14.01	14.30	14.59	15.20	15.92
40	169.17	14.26	5.88	Student	9.31	11.17	12.77	13.52	14.26	15.00	15.75	17.34	19.21
	171.12	13.87	2.27	School	11.96	12.68	13.29	13.58	13.87	14.16	14.45	15.06	15.78
45	170.99	13.93	5.88	Student	8.98	10.84	12.44	13.19	13.93	14.67	15.42	17.01	18.88
	171.96	13.74	2.27	School	11.82	12.54	13.16	13.45	13.74	14.02	14.31	14.93	15.65
48	172.07	13.73	5.88	Student	8.78	10.65	12.24	12.99	13.73	14.47	15.22	16.82	18.68
	172.46	13.66	2.27	School	11.74	12.46	13.08	13.37	13.66	13.94	14.23	14.85	15.57
50	172.79	13.60	5.88	Student	8.65	10.52	12.11	12.86	13.60	14.34	15.09	16.69	18.55
	172.79	13.60	2.27	School	11.69	12.41	13.03	13.32	13.60	13.89	14.18	14.79	15.51
52	173.51	13.47	5.88	Student	8.52	10.39	11.98	12.73	13.47	14.21	14.96	16.56	18.42
	173.12	13.55	2.27	School	11.64	12.36	12.97	13.26	13.55	13.83	14.12	14.74	15.46
55	174.59	13.28	5.88	Student	8.33	10.19	11.79	12.54	13.28	14.02	14.77	16.36	18.23
	173.62	13.47	2.27	School	11.56	12.28	12.89	13.18	13.47	13.75	14.04	14.66	15.38
60	176.41	12.95	5.88	Student	8.00	9.86	11.46	12.21	12.95	13.69	14.44	16.03	17.90
	174.46	13.33	2.27	School	11.42	12.14	12.76	13.05	13.33	13.62	13.91	14.52	15.24
65	178.30	12.61	5.88	Student	7.66	9.52	11.12	11.87	12.61	13.35	14.10	15.69	17.56
	175.33	13.19	2.27	School	11.28	12.00	12.62	12.91	13.19	13.48	13.77	14.38	15.11
70	180.29	12.25	5.88	Student	7.30	9.16	10.76	11.51	12.25	12.99	13.74	15.33	17.20
	176.24	13.05	2.27	School	11.14	11.86	12.47	12.76	13.05	13.33	13.62	14.24	14.96
75	182.43	11.86	5.88	Student	6.91	8.77	10.37	11.12	11.86	12.60	13.35	14.94	16.81
	177.23	12.89	2.27	School	10.98	11.70	12.31	12.60	12.89	13.17	13.46	14.08	14.80
80	184.82	11.43	5.88	Student	6.48	8.34	9.94	10.69	11.43	12.17	12.92	14.51	16.38
	178.33	12.71	2.27	School	10.80	11.52	12.14	12.43	12.71	13.00	13.29	13.90	14.62
85	187.61	10.92	5.88	Student	5.97	7.84	9.43	10.18	10.92	11.66	12.41	14.01	15.87
	179.62	12.50	2.27	School	10.59	11.31	11.93	12.22	12.50	12.79	13.08	13.70	14.42
90	191.11	10.29	5.88	Student	5.34	7.21	8.80	9.55	10.29	11.03	11.78	13.37	15.24
	181.23	12.25	2.27	School	10.33	11.05	11.67	11.96	12.25	12.53	12.82	13.44	14.16

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.12: Mathematics Grade 2 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	159.83	17.06	6.51	Student	11.58	13.65	15.41	16.24	17.06	17.88	18.71	20.47	22.53
	169.88	14.93	2.76	School	12.60	13.48	14.23	14.58	14.93	15.27	15.63	16.38	17.25
20	166.56	15.56	6.51	Student	10.08	12.14	13.91	14.74	15.56	16.37	17.20	18.97	21.03
	173.16	14.16	2.76	School	11.83	12.71	13.46	13.81	14.16	14.50	14.86	15.61	16.48
25	169.11	14.99	6.51	Student	9.51	11.57	13.34	14.17	14.99	15.80	16.63	18.40	20.46
	174.40	13.86	2.76	School	11.54	12.42	13.16	13.52	13.86	14.21	14.56	15.31	16.19
30	171.41	14.47	6.51	Student	9.00	11.06	12.83	13.66	14.47	15.29	16.12	17.89	19.95
	175.52	13.60	2.76	School	11.28	12.15	12.90	13.25	13.60	13.95	14.30	15.05	15.93
35	173.53	14.00	6.51	Student	8.52	10.59	12.35	13.18	14.00	14.82	15.65	17.41	19.48
	176.56	13.36	2.76	School	11.03	11.91	12.66	13.01	13.36	13.71	14.06	14.81	15.68
40	175.55	13.55	6.51	Student	8.07	10.14	11.90	12.73	13.55	14.37	15.20	16.96	19.03
	177.54	13.13	2.76	School	10.80	11.68	12.43	12.78	13.13	13.47	13.83	14.58	15.45
45	177.50	13.11	6.51	Student	7.64	9.70	11.46	12.30	13.11	13.93	14.76	16.53	18.59
	178.49	12.90	2.76	School	10.58	11.46	12.20	12.56	12.90	13.25	13.60	14.35	15.23
48	178.66	12.86	6.51	Student	7.38	9.44	11.21	12.04	12.86	13.67	14.50	16.27	18.33
	179.05	12.77	2.76	School	10.45	11.32	12.07	12.42	12.77	13.12	13.47	14.22	15.10
50	179.42	12.68	6.51	Student	7.21	9.27	11.04	11.87	12.68	13.50	14.33	16.10	18.16
	179.42	12.68	2.76	School	10.36	11.24	11.98	12.34	12.68	13.03	13.38	14.13	15.01
52	180.19	12.51	6.51	Student	7.04	9.10	10.86	11.70	12.51	13.33	14.16	15.93	17.99
	179.80	12.60	2.76	School	10.27	11.15	11.90	12.25	12.60	12.94	13.30	14.04	14.92
55	181.35	12.26	6.51	Student	6.78	8.84	10.61	11.44	12.26	13.07	13.90	15.67	17.73
	180.36	12.46	2.76	School	10.14	11.02	11.76	12.12	12.46	12.81	13.16	13.91	14.79
60	183.30	11.82	6.51	Student	6.34	8.41	10.17	11.00	11.82	12.64	13.47	15.23	17.30
	181.31	12.24	2.76	School	9.92	10.79	11.54	11.89	12.24	12.59	12.94	13.69	14.57
65	185.32	11.37	6.51	Student	5.89	7.96	9.72	10.55	11.37	12.19	13.02	14.78	16.85
	182.29	12.01	2.76	School	9.68	10.56	11.31	11.66	12.01	12.36	12.71	13.46	14.33
70	187.44	10.89	6.51	Student	5.42	7.48	9.25	10.08	10.89	11.71	12.54	14.31	16.37
	183.33	11.77	2.76	School	9.44	10.32	11.07	11.42	11.77	12.11	12.47	13.21	14.09
75	189.74	10.38	6.51	Student	4.91	6.97	8.73	9.56	10.38	11.20	12.03	13.79	15.86
	184.45	11.50	2.76	School	9.18	10.05	10.80	11.16	11.50	11.85	12.20	12.95	13.83
80	192.29	9.81	6.51	Student	4.33	6.40	8.16	8.99	9.81	10.63	11.46	13.22	15.29
	185.69	11.21	2.76	School	8.89	9.76	10.51	10.86	11.21	11.56	11.91	12.66	13.54
85	195.27	9.15	6.51	Student	3.67	5.73	7.50	8.33	9.15	9.96	10.80	12.56	14.62
	187.14	10.87	2.76	School	8.55	9.42	10.17	10.52	10.87	11.22	11.57	12.32	13.19
90	199.02	8.31	6.51	Student	2.83	4.90	6.66	7.49	8.31	9.13	9.96	11.72	13.79
	188.97	10.44	2.76	School	8.12	8.99	9.74	10.09	10.44	10.79	11.14	11.89	12.77

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.13: Mathematics Grade 2 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	159.95 169.43	14.97 13.36	6.91 2.40	Student School	9.16 11.35	11.35 12.11	13.22 12.76	14.10 13.06	14.97 13.36	15.84 13.67	16.72 13.97	18.60 14.62	20.79 15.38
20	165.77 171.99	14.37 13.32	6.91 2.40	Student School	8.56 11.30	10.75 12.06	12.62 12.71	13.51 13.02	14.37 13.32	15.24 13.62	16.13 13.93	18.00 14.58	20.19 15.34
25	167.98 172.97	14.15 13.30	6.91 2.40	Student School	8.33 11.28	10.52 12.05	12.40 12.69	13.28 13.00	14.15 13.30	15.02 13.60	15.90 13.91	17.77 14.56	19.96 15.32
30	169.96 173.84	13.94 13.29	6.91 2.40	Student School	8.13 11.27	10.32 12.03	12.19 12.68	13.08 12.99	13.94 13.29	14.81 13.59	15.70 13.89	17.57 14.54	19.76 15.30
35	171.80 174.65	13.76 13.27	6.91 2.40	Student School	7.94 11.26	10.13 12.02	12.01 12.67	12.89 12.97	13.76 13.27	14.62 13.57	15.51 13.88	17.38 14.53	19.57 15.29
40	173.55 175.42	13.58 13.26	6.91 2.40	Student School	7.76 11.24	9.95 12.00	11.83 12.65	12.71 12.96	13.58 13.26	14.45 13.56	15.33 13.87	17.20 14.52	19.39 15.28
45	175.23 176.16	13.40 13.25	6.91 2.40	Student School	7.59 11.23	9.78 11.99	11.65 12.64	12.54 12.94	13.40 13.25	14.27 13.55	15.15 13.85	17.03 14.50	19.22 15.26
48	176.23 176.60	13.30 13.24	6.91 2.40	Student School	7.49 11.22	9.68 11.98	11.55 12.63	12.43 12.94	13.30 13.24	14.17 13.54	15.05 13.85	16.93 14.50	19.12 15.26
50	176.90 176.90	13.23 13.23	6.91 2.40	Student School	7.42 11.22	9.61 11.98	11.48 12.63	12.37 12.93	13.23 13.23	14.10 13.53	14.98 13.84	16.86 14.49	19.05 15.25
52	177.56 177.19	13.17 13.23	6.91 2.40	Student School	7.35 11.21	9.54 11.97	11.41 12.62	12.30 12.93	13.17 13.23	14.03 13.53	14.92 13.84	16.79 14.49	18.98 15.25
55	178.56 177.63	13.06 13.22	6.91 2.40	Student School	7.25 11.20	9.44 11.96	11.31 12.61	12.19 12.92	13.06 13.22	13.93 13.52	14.81 13.83	16.69 14.48	18.88 15.24
60	180.25 178.37	12.89 13.21	6.91 2.40	Student School	7.07 11.19	9.27 11.95	11.14 12.60	12.02 12.91	12.89 13.21	13.76 13.51	14.64 13.81	16.51 14.46	18.71 15.23
65	181.99 179.14	12.71 13.19	6.91 2.40	Student School	6.89 11.18	9.09 11.94	10.96 12.59	11.84 12.89	12.71 13.19	13.58 13.50	14.46 13.80	16.33 14.45	18.53 15.21
70	183.83 179.95	12.52 13.18	6.91 2.40	Student School	6.71 11.16	8.90 11.92	10.77 12.57	11.65 12.88	12.52 13.18	13.39 13.48	14.27 13.79	16.15 14.44	18.34 15.20
75	185.82 180.83	12.32 13.16	6.91 2.40	Student School	6.50 11.15	8.69 11.91	10.57 12.56	11.45 12.86	12.32 13.16	13.19 13.47	14.07 13.77	15.94 14.42	18.13 15.18
80	188.03 181.80	12.09 13.15	6.91 2.40	Student School	6.28 11.13	8.47 11.89	10.34 12.54	11.22 12.85	12.09 13.15	12.96 13.45	13.84 13.75	15.72 14.40	17.91 15.17
85	190.60 182.93	11.83 13.13	6.91 2.40	Student School	6.01 11.11	8.20 11.87	10.08 12.52	10.96 12.83	11.83 13.13	12.70 13.43	13.58 13.73	15.45 14.38	17.64 15.15
90	193.84 184.36	11.50 13.10	6.91 2.40	Student School	5.68 11.08	7.87 11.85	9.74 12.50	10.63 12.80	11.50 13.10	12.36 13.40	13.25 13.71	15.12 14.36	17.31 15.12

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.14: Mathematics Grade 2 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	159.95	17.25	6.93	Student	11.41	13.61	15.49	16.38	17.25	18.12	19.00	20.88	23.08
	169.43	15.32	2.66	School	13.08	13.92	14.64	14.98	15.32	15.65	15.99	16.71	17.56
20	165.77	16.55	6.93	Student	10.72	12.91	14.79	15.68	16.55	17.42	18.30	20.18	22.38
	171.99	15.28	2.66	School	13.04	13.89	14.61	14.95	15.28	15.62	15.96	16.68	17.52
25	167.98	16.28	6.93	Student	10.45	12.65	14.53	15.41	16.28	17.15	18.04	19.92	22.11
	172.97	15.27	2.66	School	13.03	13.87	14.59	14.93	15.27	15.60	15.94	16.66	17.51
30	169.96	16.04	6.93	Student	10.21	12.41	14.29	15.17	16.04	16.92	17.80	19.68	21.88
	173.84	15.26	2.66	School	13.01	13.86	14.58	14.92	15.26	15.59	15.93	16.65	17.50
35	171.80	15.82	6.93	Student	9.99	12.19	14.07	14.95	15.82	16.69	17.58	19.46	21.65
	174.65	15.24	2.66	School	13.00	13.85	14.57	14.91	15.24	15.58	15.92	16.64	17.49
40	173.55	15.61	6.93	Student	9.78	11.98	13.86	14.74	15.61	16.48	17.37	19.25	21.45
	175.42	15.23	2.66	School	12.99	13.84	14.56	14.90	15.23	15.57	15.91	16.63	17.47
45	175.23	15.41	6.93	Student	9.58	11.78	13.66	14.54	15.41	16.28	17.17	19.04	21.24
	176.16	15.22	2.66	School	12.98	13.83	14.55	14.89	15.22	15.56	15.90	16.62	17.46
48	176.23	15.29	6.93	Student	9.46	11.66	13.54	14.42	15.29	16.16	17.05	18.93	21.12
	176.60	15.22	2.66	School	12.98	13.82	14.54	14.88	15.22	15.55	15.89	16.61	17.46
50	176.90	15.21	6.93	Student	9.38	11.58	13.46	14.34	15.21	16.08	16.97	18.85	21.04
	176.90	15.21	2.66	School	12.97	13.82	14.54	14.88	15.21	15.55	15.89	16.61	17.45
52	177.56	15.13	6.93	Student	9.30	11.50	13.38	14.26	15.13	16.00	16.89	18.77	20.96
	177.19	15.21	2.66	School	12.97	13.81	14.53	14.87	15.21	15.54	15.88	16.60	17.45
55	178.56	15.01	6.93	Student	9.18	11.38	13.26	14.14	15.01	15.88	16.77	18.65	20.84
	177.63	15.20	2.66	School	12.96	13.81	14.53	14.87	15.20	15.54	15.88	16.60	17.44
60	180.25	14.81	6.93	Student	8.98	11.18	13.06	13.94	14.81	15.68	16.57	18.44	20.64
	178.37	15.19	2.66	School	12.95	13.80	14.52	14.86	15.19	15.53	15.87	16.59	17.43
65	181.99	14.60	6.93	Student	8.77	10.97	12.85	13.73	14.60	15.47	16.36	18.23	20.43
	179.14	15.18	2.66	School	12.94	13.78	14.51	14.85	15.18	15.52	15.86	16.58	17.42
70	183.83	14.38	6.93	Student	8.55	10.75	12.62	13.51	14.38	15.25	16.14	18.01	20.21
	179.95	15.17	2.66	School	12.93	13.77	14.49	14.83	15.17	15.50	15.84	16.57	17.41
75	185.82	14.14	6.93	Student	8.31	10.51	12.39	13.27	14.14	15.01	15.90	17.78	19.97
	180.83	15.16	2.66	School	12.92	13.76	14.48	14.82	15.16	15.49	15.83	16.55	17.40
80	188.03	13.88	6.93	Student	8.05	10.24	12.12	13.01	13.88	14.75	15.63	17.51	19.71
	181.80	15.14	2.66	School	12.90	13.75	14.47	14.81	15.14	15.48	15.82	16.54	17.38
85	190.60	13.57	6.93	Student	7.74	9.93	11.81	12.70	13.57	14.44	15.32	17.20	19.40
	182.93	15.13	2.66	School	12.89	13.73	14.45	14.79	15.13	15.46	15.80	16.52	17.37
90	193.84	13.18	6.93	Student	7.35	9.55	11.42	12.31	13.18	14.05	14.93	16.81	19.01
	184.36	15.11	2.66	School	12.87	13.71	14.43	14.77	15.11	15.44	15.78	16.50	17.35

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.15: Mathematics Grade 2 From Fall To Winter Conditional Growth Percentile

Start Status	Growth		Conditional Growth										
			CGP	20	30	40	45	50	55	60	70	80	
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	159.95	11.03	5.21	Student	6.64	8.30	9.71	10.38	11.03	11.69	12.35	13.77	15.42
	169.43	9.56	1.52	School	8.28	8.76	9.17	9.37	9.56	9.75	9.94	10.35	10.84
20	165.77	10.50	5.21	Student	6.12	7.77	9.18	9.85	10.50	11.16	11.83	13.24	14.89
	171.99	9.54	1.52	School	8.25	8.74	9.15	9.34	9.54	9.73	9.92	10.33	10.82
25	167.98	10.30	5.21	Student	5.92	7.57	8.98	9.65	10.30	10.96	11.62	13.04	14.69
	172.97	9.53	1.52	School	8.25	8.73	9.14	9.34	9.53	9.72	9.91	10.33	10.81
30	169.96	10.12	5.21	Student	5.74	7.39	8.80	9.47	10.12	10.78	11.45	12.86	14.51
	173.84	9.52	1.52	School	8.24	8.72	9.13	9.33	9.52	9.71	9.91	10.32	10.80
35	171.80	9.96	5.21	Student	5.57	7.22	8.64	9.30	9.96	10.61	11.28	12.69	14.35
	174.65	9.51	1.52	School	8.23	8.72	9.13	9.32	9.51	9.71	9.90	10.31	10.79
40	173.55	9.80	5.21	Student	5.41	7.07	8.48	9.14	9.80	10.45	11.12	12.53	14.19
	175.42	9.51	1.52	School	8.23	8.71	9.12	9.32	9.51	9.70	9.89	10.31	10.79
45	175.23	9.65	5.21	Student	5.26	6.91	8.33	8.99	9.65	10.30	10.97	12.38	14.03
	176.16	9.50	1.52	School	8.22	8.70	9.12	9.31	9.50	9.69	9.89	10.30	10.78
48	176.23	9.56	5.21	Student	5.17	6.82	8.23	8.90	9.56	10.21	10.88	12.29	13.94
	176.60	9.50	1.52	School	8.22	8.70	9.11	9.31	9.50	9.69	9.88	10.30	10.78
50	176.90	9.50	5.21	Student	5.11	6.76	8.17	8.84	9.50	10.15	10.82	12.23	13.88
	176.90	9.50	1.52	School	8.21	8.70	9.11	9.30	9.50	9.69	9.88	10.29	10.78
52	177.56	9.44	5.21	Student	5.05	6.70	8.11	8.78	9.44	10.09	10.76	12.17	13.82
	177.19	9.49	1.52	School	8.21	8.70	9.11	9.30	9.49	9.68	9.88	10.29	10.77
55	178.56	9.35	5.21	Student	4.96	6.61	8.02	8.69	9.35	10.00	10.67	12.08	13.73
	177.63	9.49	1.52	School	8.21	8.69	9.10	9.30	9.49	9.68	9.88	10.29	10.77
60	180.25	9.19	5.21	Student	4.80	6.46	7.87	8.54	9.19	9.85	10.51	11.93	13.58
	178.37	9.48	1.52	School	8.20	8.69	9.10	9.29	9.48	9.67	9.87	10.28	10.76
65	181.99	9.03	5.21	Student	4.65	6.30	7.71	8.38	9.03	9.69	10.35	11.77	13.42
	179.14	9.48	1.52	School	8.20	8.68	9.09	9.29	9.48	9.67	9.86	10.28	10.76
70	183.83	8.87	5.21	Student	4.48	6.13	7.55	8.21	8.87	9.52	10.19	11.60	13.26
	179.95	9.47	1.52	School	8.19	8.67	9.09	9.28	9.47	9.66	9.86	10.27	10.75
75	185.82	8.69	5.21	Student	4.30	5.95	7.37	8.03	8.69	9.34	10.01	11.42	13.08
	180.83	9.46	1.52	School	8.18	8.67	9.08	9.27	9.46	9.65	9.85	10.26	10.74
80	188.03	8.49	5.21	Student	4.10	5.75	7.17	7.83	8.49	9.14	9.81	11.22	12.88
	181.80	9.46	1.52	School	8.17	8.66	9.07	9.26	9.46	9.65	9.84	10.25	10.74
85	190.60	8.25	5.21	Student	3.87	5.52	6.93	7.60	8.25	8.91	9.57	10.99	12.64
	182.93	9.45	1.52	School	8.17	8.65	9.06	9.26	9.45	9.64	9.83	10.24	10.73
90	193.84	7.96	5.21	Student	3.57	5.23	6.64	7.30	7.96	8.61	9.28	10.69	12.35
	184.36	9.43	1.52	School	8.15	8.64	9.05	9.24	9.43	9.63	9.82	10.23	10.72

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.16: Mathematics Grade 2 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	169.59	6.32	4.87	Student	2.22	3.76	5.09	5.71	6.32	6.93	7.55	8.88	10.42	
	178.73	5.39	1.11	School	4.45	4.80	5.11	5.25	5.39	5.53	5.67	5.97	6.33	
20	175.36	6.11	4.87	Student	2.01	3.56	4.88	5.50	6.11	6.73	7.35	8.67	10.21	
	181.36	5.50	1.11	School	4.56	4.92	5.22	5.36	5.50	5.64	5.78	6.08	6.44	
25	177.55	6.03	4.87	Student	1.93	3.48	4.80	5.42	6.03	6.65	7.27	8.59	10.14	
	182.36	5.54	1.11	School	4.61	4.96	5.26	5.40	5.54	5.68	5.83	6.13	6.48	
30	179.52	5.96	4.87	Student	1.86	3.41	4.73	5.35	5.96	6.58	7.20	8.52	10.07	
	183.26	5.58	1.11	School	4.65	5.00	5.30	5.44	5.58	5.72	5.86	6.17	6.52	
35	181.34	5.90	4.87	Student	1.80	3.34	4.66	5.29	5.90	6.51	7.13	8.45	10.00	
	184.09	5.62	1.11	School	4.68	5.03	5.34	5.48	5.62	5.76	5.90	6.20	6.55	
40	183.07	5.84	4.87	Student	1.73	3.28	4.60	5.22	5.84	6.45	7.07	8.39	9.94	
	184.88	5.65	1.11	School	4.71	5.07	5.37	5.51	5.65	5.79	5.93	6.24	6.59	
45	184.74	5.78	4.87	Student	1.67	3.22	4.54	5.16	5.78	6.39	7.01	8.33	9.88	
	185.64	5.68	1.11	School	4.75	5.10	5.40	5.54	5.68	5.82	5.97	6.27	6.62	
48	185.73	5.74	4.87	Student	1.64	3.18	4.51	5.13	5.74	6.35	6.98	8.30	9.84	
	186.09	5.70	1.11	School	4.77	5.12	5.42	5.56	5.70	5.84	5.99	6.29	6.64	
50	186.39	5.72	4.87	Student	1.61	3.16	4.48	5.10	5.72	6.33	6.95	8.27	9.82	
	186.39	5.72	1.11	School	4.78	5.13	5.43	5.58	5.72	5.86	6.00	6.30	6.65	
52	187.05	5.69	4.87	Student	1.59	3.14	4.46	5.08	5.69	6.31	6.93	8.25	9.79	
	186.69	5.73	1.11	School	4.79	5.15	5.45	5.59	5.73	5.87	6.01	6.31	6.67	
55	188.04	5.66	4.87	Student	1.56	3.10	4.42	5.05	5.66	6.27	6.89	8.21	9.76	
	187.14	5.75	1.11	School	4.81	5.17	5.47	5.61	5.75	5.89	6.03	6.33	6.69	
60	189.71	5.60	4.87	Student	1.50	3.04	4.36	4.98	5.60	6.21	6.83	8.15	9.70	
	187.91	5.78	1.11	School	4.84	5.20	5.50	5.64	5.78	5.92	6.06	6.37	6.72	
65	191.44	5.54	4.87	Student	1.43	2.98	4.30	4.92	5.54	6.15	6.77	8.09	9.64	
	188.69	5.82	1.11	School	4.88	5.23	5.53	5.68	5.82	5.96	6.10	6.40	6.75	
70	193.27	5.47	4.87	Student	1.37	2.91	4.23	4.86	5.47	6.08	6.70	8.03	9.57	
	189.53	5.85	1.11	School	4.91	5.27	5.57	5.71	5.85	5.99	6.13	6.43	6.79	
75	195.23	5.40	4.87	Student	1.30	2.84	4.16	4.79	5.40	6.01	6.63	7.95	9.50	
	190.42	5.89	1.11	School	4.95	5.31	5.61	5.75	5.89	6.03	6.17	6.47	6.83	
80	197.42	5.32	4.87	Student	1.22	2.76	4.09	4.71	5.32	5.93	6.56	7.88	9.42	
	191.42	5.93	1.11	School	5.00	5.35	5.65	5.79	5.93	6.07	6.21	6.52	6.87	
85	199.98	5.23	4.87	Student	1.13	2.67	3.99	4.62	5.23	5.84	6.46	7.78	9.33	
	192.59	5.98	1.11	School	5.05	5.40	5.70	5.84	5.98	6.12	6.26	6.57	6.92	
90	203.19	5.11	4.87	Student	1.01	2.56	3.88	4.50	5.11	5.73	6.35	7.67	9.21	
	194.05	6.05	1.11	School	5.11	5.46	5.76	5.91	6.05	6.18	6.33	6.63	6.98	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.17: Mathematics Grade 3 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	169.13	13.78	5.85	Student	8.85	10.71	12.30	13.04	13.78	14.51	15.26	16.85	18.71
	178.32	12.51	2.09	School	10.75	11.42	11.98	12.25	12.51	12.77	13.04	13.60	14.26
20	174.84	13.32	5.85	Student	8.39	10.25	11.84	12.59	13.32	14.06	14.80	16.39	18.25
	180.88	12.49	2.09	School	10.73	11.39	11.96	12.23	12.49	12.75	13.02	13.58	14.24
25	177.01	13.15	5.85	Student	8.22	10.08	11.66	12.41	13.15	13.88	14.63	16.22	18.07
	181.85	12.48	2.09	School	10.72	11.38	11.95	12.22	12.48	12.74	13.01	13.57	14.23
30	178.96	12.99	5.85	Student	8.06	9.92	11.51	12.25	12.99	13.73	14.47	16.06	17.92
	182.72	12.47	2.09	School	10.72	11.38	11.94	12.21	12.47	12.73	13.00	13.56	14.23
35	180.76	12.85	5.85	Student	7.92	9.78	11.36	12.11	12.85	13.58	14.33	15.92	17.77
	183.53	12.46	2.09	School	10.71	11.37	11.94	12.20	12.46	12.73	12.99	13.56	14.22
40	182.48	12.71	5.85	Student	7.78	9.64	11.22	11.97	12.71	13.44	14.19	15.78	17.63
	184.29	12.46	2.09	School	10.70	11.36	11.93	12.19	12.46	12.72	12.99	13.55	14.21
45	184.13	12.57	5.85	Student	7.65	9.50	11.09	11.84	12.57	13.31	14.06	15.64	17.50
	185.03	12.45	2.09	School	10.70	11.36	11.92	12.19	12.45	12.71	12.98	13.54	14.21
48	185.11	12.50	5.85	Student	7.57	9.43	11.01	11.76	12.50	13.23	13.98	15.57	17.42
	185.47	12.45	2.09	School	10.69	11.35	11.92	12.18	12.45	12.71	12.97	13.54	14.20
50	185.76	12.44	5.85	Student	7.52	9.37	10.96	11.71	12.44	13.18	13.93	15.51	17.37
	185.76	12.44	2.09	School	10.69	11.35	11.92	12.18	12.44	12.71	12.97	13.54	14.20
52	186.42	12.39	5.85	Student	7.46	9.32	10.91	11.66	12.39	13.13	13.87	15.46	17.32
	186.06	12.44	2.09	School	10.69	11.35	11.91	12.18	12.44	12.70	12.97	13.53	14.20
55	187.40	12.31	5.85	Student	7.39	9.24	10.83	11.58	12.31	13.05	13.80	15.38	17.24
	186.49	12.44	2.09	School	10.68	11.34	11.91	12.18	12.44	12.70	12.97	13.53	14.19
60	189.05	12.18	5.85	Student	7.25	9.11	10.70	11.44	12.18	12.92	13.66	15.25	17.11
	187.24	12.43	2.09	School	10.68	11.34	11.90	12.17	12.43	12.69	12.96	13.52	14.19
65	190.76	12.04	5.85	Student	7.11	8.97	10.56	11.31	12.04	12.78	13.53	15.11	16.97
	188.00	12.42	2.09	School	10.67	11.33	11.90	12.16	12.42	12.69	12.95	13.52	14.18
70	192.57	11.90	5.85	Student	6.97	8.83	10.41	11.16	11.90	12.63	13.38	14.97	16.82
	188.81	12.42	2.09	School	10.66	11.32	11.89	12.15	12.42	12.68	12.94	13.51	14.17
75	194.52	11.74	5.85	Student	6.81	8.67	10.26	11.01	11.74	12.48	13.22	14.81	16.67
	189.68	12.41	2.09	School	10.65	11.32	11.88	12.15	12.41	12.67	12.94	13.50	14.16
80	196.69	11.57	5.85	Student	6.64	8.50	10.08	10.83	11.57	12.30	13.05	14.64	16.49
	190.65	12.40	2.09	School	10.65	11.31	11.87	12.14	12.40	12.66	12.93	13.49	14.16
85	199.21	11.36	5.85	Student	6.44	8.29	9.88	10.63	11.36	12.10	12.85	14.43	16.29
	191.78	12.39	2.09	School	10.64	11.30	11.86	12.13	12.39	12.65	12.92	13.48	14.15
90	202.39	11.11	5.85	Student	6.18	8.04	9.63	10.37	11.11	11.84	12.59	14.18	16.04
	193.21	12.38	2.09	School	10.62	11.28	11.85	12.12	12.38	12.64	12.91	13.47	14.13

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.18: Mathematics Grade 3 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	174.14	13.71	6.59	Student	8.16	10.25	12.04	12.88	13.71	14.54	15.38	17.16	19.25
	183.53	12.35	2.71	School	10.07	10.93	11.66	12.01	12.35	12.69	13.03	13.77	14.63
20	180.13	13.05	6.59	Student	7.51	9.60	11.38	12.23	13.05	13.88	14.72	16.51	18.60
	186.30	12.16	2.71	School	9.88	10.74	11.48	11.82	12.16	12.50	12.85	13.58	14.44
25	182.40	12.81	6.59	Student	7.26	9.35	11.14	11.98	12.81	13.63	14.48	16.26	18.35
	187.35	12.09	2.71	School	9.81	10.67	11.41	11.75	12.09	12.43	12.78	13.51	14.37
30	184.45	12.58	6.59	Student	7.04	9.13	10.91	11.76	12.58	13.41	14.25	16.04	18.13
	188.29	12.03	2.71	School	9.75	10.61	11.34	11.69	12.03	12.37	12.71	13.45	14.30
35	186.34	12.38	6.59	Student	6.83	8.92	10.71	11.55	12.38	13.21	14.05	15.83	17.92
	189.17	11.97	2.71	School	9.69	10.55	11.28	11.63	11.97	12.31	12.65	13.39	14.25
40	188.14	12.18	6.59	Student	6.63	8.73	10.51	11.35	12.18	13.01	13.85	15.64	17.73
	190.00	11.91	2.71	School	9.64	10.49	11.23	11.57	11.91	12.25	12.60	13.33	14.19
45	189.88	11.99	6.59	Student	6.45	8.54	10.32	11.16	11.99	12.82	13.66	15.45	17.54
	190.80	11.86	2.71	School	9.58	10.44	11.17	11.52	11.86	12.20	12.54	13.28	14.14
48	190.91	11.88	6.59	Student	6.33	8.42	10.21	11.05	11.88	12.71	13.55	15.34	17.43
	191.28	11.83	2.71	School	9.55	10.41	11.14	11.49	11.83	12.17	12.51	13.25	14.10
50	191.59	11.81	6.59	Student	6.26	8.35	10.14	10.98	11.81	12.63	13.48	15.26	17.35
	191.59	11.81	2.71	School	9.53	10.39	11.12	11.47	11.81	12.15	12.49	13.22	14.08
52	192.27	11.73	6.59	Student	6.18	8.27	10.06	10.90	11.73	12.56	13.40	15.19	17.28
	191.91	11.78	2.71	School	9.51	10.37	11.10	11.44	11.78	12.12	12.47	13.20	14.06
55	193.30	11.62	6.59	Student	6.07	8.16	9.95	10.79	11.62	12.45	13.29	15.08	17.17
	192.38	11.75	2.71	School	9.47	10.33	11.07	11.41	11.75	12.09	12.44	13.17	14.03
60	195.04	11.43	6.59	Student	5.88	7.97	9.76	10.60	11.43	12.26	13.10	14.89	16.98
	193.18	11.70	2.71	School	9.42	10.28	11.01	11.36	11.70	12.04	12.38	13.12	13.98
65	196.84	11.23	6.59	Student	5.69	7.78	9.56	10.41	11.23	12.06	12.90	14.69	16.78
	194.01	11.64	2.71	School	9.36	10.22	10.96	11.30	11.64	11.98	12.33	13.06	13.92
70	198.73	11.03	6.59	Student	5.48	7.57	9.36	10.20	11.03	11.86	12.70	14.48	16.57
	194.89	11.58	2.71	School	9.31	10.16	10.90	11.24	11.58	11.92	12.27	13.00	13.86
75	200.78	10.80	6.59	Student	5.26	7.35	9.13	9.98	10.80	11.63	12.47	14.26	16.35
	195.83	11.52	2.71	School	9.24	10.10	10.83	11.18	11.52	11.86	12.21	12.94	13.80
80	203.05	10.56	6.59	Student	5.01	7.10	8.89	9.73	10.56	11.38	12.23	14.01	16.10
	196.88	11.45	2.71	School	9.17	10.03	10.76	11.11	11.45	11.79	12.14	12.87	13.73
85	205.71	10.27	6.59	Student	4.72	6.81	8.60	9.44	10.27	11.10	11.94	13.72	15.81
	198.11	11.37	2.71	School	9.09	9.95	10.68	11.03	11.37	11.71	12.05	12.79	13.64
90	209.04	9.90	6.59	Student	4.36	6.45	8.23	9.08	9.90	10.73	11.57	13.36	15.45
	199.65	11.26	2.71	School	8.99	9.84	10.58	10.92	11.26	11.60	11.95	12.68	13.54

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.19: Mathematics Grade 3 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	173.61	11.74	6.40	Student	6.35	8.38	10.12	10.94	11.74	12.55	13.36	15.10	17.13
	182.87	10.86	1.99	School	9.19	9.82	10.36	10.61	10.86	11.11	11.36	11.90	12.53
20	179.37	11.61	6.40	Student	6.22	8.25	9.99	10.81	11.61	12.42	13.23	14.97	17.00
	185.46	11.03	1.99	School	9.36	9.99	10.53	10.78	11.03	11.28	11.54	12.07	12.71
25	181.56	11.56	6.40	Student	6.17	8.21	9.94	10.76	11.56	12.37	13.18	14.92	16.95
	186.44	11.10	1.99	School	9.42	10.06	10.59	10.85	11.10	11.35	11.60	12.14	12.77
30	183.53	11.52	6.40	Student	6.13	8.16	9.90	10.71	11.52	12.32	13.14	14.88	16.91
	187.32	11.16	1.99	School	9.48	10.11	10.65	10.91	11.16	11.41	11.66	12.20	12.83
35	185.35	11.48	6.40	Student	6.09	8.12	9.86	10.67	11.48	12.28	13.10	14.83	16.86
	188.14	11.21	1.99	School	9.54	10.17	10.71	10.96	11.21	11.46	11.72	12.25	12.88
40	187.08	11.44	6.40	Student	6.05	8.08	9.82	10.63	11.44	12.24	13.06	14.80	16.83
	188.91	11.26	1.99	School	9.59	10.22	10.76	11.01	11.26	11.51	11.77	12.31	12.94
45	188.76	11.40	6.40	Student	6.01	8.04	9.78	10.60	11.40	12.21	13.02	14.76	16.79
	189.66	11.31	1.99	School	9.64	10.27	10.81	11.06	11.31	11.56	11.82	12.36	12.99
48	189.75	11.38	6.40	Student	5.99	8.02	9.76	10.57	11.38	12.18	13.00	14.74	16.77
	190.11	11.34	1.99	School	9.67	10.30	10.84	11.09	11.34	11.59	11.85	12.39	13.02
50	190.40	11.36	6.40	Student	5.98	8.01	9.74	10.56	11.36	12.17	12.99	14.72	16.75
	190.40	11.36	1.99	School	9.69	10.32	10.86	11.11	11.36	11.61	11.87	12.41	13.04
52	191.06	11.35	6.40	Student	5.96	7.99	9.73	10.54	11.35	12.15	12.97	14.71	16.74
	190.70	11.38	1.99	School	9.71	10.34	10.88	11.13	11.38	11.63	11.89	12.43	13.06
55	192.05	11.33	6.40	Student	5.94	7.97	9.70	10.52	11.33	12.13	12.95	14.68	16.71
	191.14	11.41	1.99	School	9.74	10.37	10.91	11.16	11.41	11.66	11.92	12.46	13.09
60	193.72	11.29	6.40	Student	5.90	7.93	9.67	10.48	11.29	12.09	12.91	14.65	16.68
	191.89	11.46	1.99	School	9.79	10.42	10.96	11.21	11.46	11.71	11.97	12.51	13.14
65	195.45	11.25	6.40	Student	5.86	7.89	9.63	10.45	11.25	12.05	12.87	14.61	16.64
	192.67	11.52	1.99	School	9.84	10.47	11.01	11.27	11.52	11.77	12.02	12.56	13.19
70	197.27	11.21	6.40	Student	5.82	7.85	9.59	10.40	11.21	12.01	12.83	14.57	16.60
	193.49	11.57	1.99	School	9.90	10.53	11.07	11.32	11.57	11.82	12.07	12.61	13.24
75	199.24	11.16	6.40	Student	5.78	7.81	9.54	10.36	11.16	11.97	12.79	14.52	16.55
	194.37	11.63	1.99	School	9.96	10.59	11.13	11.38	11.63	11.88	12.13	12.67	13.30
80	201.43	11.12	6.40	Student	5.73	7.76	9.49	10.31	11.12	11.92	12.74	14.47	16.50
	195.35	11.70	1.99	School	10.02	10.65	11.19	11.45	11.70	11.94	12.20	12.74	13.37
85	203.98	11.06	6.40	Student	5.67	7.70	9.44	10.25	11.06	11.86	12.68	14.42	16.45
	196.49	11.77	1.99	School	10.10	10.73	11.27	11.52	11.77	12.02	12.28	12.81	13.44
90	207.20	10.99	6.40	Student	5.60	7.63	9.36	10.18	10.99	11.79	12.61	14.34	16.37
	197.94	11.87	1.99	School	10.20	10.83	11.36	11.62	11.87	12.12	12.37	12.91	13.54

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.20: Mathematics Grade 3 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	173.61	14.11	6.41	Student	8.72	10.75	12.49	13.31	14.11	14.92	15.74	17.48	19.51
	182.87	12.74	2.19	School	10.89	11.59	12.18	12.46	12.74	13.01	13.29	13.89	14.58
20	179.37	13.73	6.41	Student	8.33	10.37	12.10	12.92	13.73	14.53	15.35	17.09	19.13
	185.46	12.83	2.19	School	10.98	11.68	12.27	12.55	12.83	13.10	13.38	13.97	14.67
25	181.56	13.58	6.41	Student	8.19	10.22	11.96	12.78	13.58	14.39	15.21	16.95	18.98
	186.44	12.86	2.19	School	11.02	11.71	12.30	12.58	12.86	13.13	13.41	14.01	14.70
30	183.53	13.45	6.41	Student	8.06	10.09	11.83	12.65	13.45	14.26	15.08	16.81	18.85
	187.32	12.89	2.19	School	11.05	11.74	12.33	12.61	12.89	13.16	13.44	14.04	14.73
35	185.35	13.33	6.41	Student	7.93	9.97	11.71	12.52	13.33	14.14	14.95	16.69	18.73
	188.14	12.92	2.19	School	11.07	11.77	12.36	12.64	12.92	13.19	13.47	14.07	14.76
40	187.08	13.21	6.41	Student	7.82	9.85	11.59	12.41	13.21	14.02	14.84	16.58	18.61
	188.91	12.94	2.19	School	11.10	11.79	12.39	12.67	12.94	13.22	13.50	14.09	14.79
45	188.76	13.10	6.41	Student	7.71	9.74	11.48	12.30	13.10	13.91	14.73	16.47	18.50
	189.66	12.97	2.19	School	11.12	11.82	12.41	12.69	12.97	13.24	13.52	14.12	14.81
48	189.75	13.04	6.41	Student	7.64	9.67	11.41	12.23	13.04	13.84	14.66	16.40	18.43
	190.11	12.98	2.19	School	11.14	11.83	12.43	12.71	12.98	13.26	13.54	14.13	14.83
50	190.40	12.99	6.41	Student	7.60	9.63	11.37	12.19	12.99	13.80	14.62	16.36	18.39
	190.40	12.99	2.19	School	11.15	11.84	12.44	12.72	12.99	13.27	13.55	14.14	14.84
52	191.06	12.95	6.41	Student	7.55	9.59	11.33	12.14	12.95	13.76	14.57	16.31	18.35
	190.70	13.00	2.19	School	11.16	11.85	12.45	12.73	13.00	13.28	13.56	14.15	14.85
55	192.05	12.88	6.41	Student	7.49	9.52	11.26	12.08	12.88	13.69	14.51	16.25	18.28
	191.14	13.02	2.19	School	11.17	11.87	12.46	12.74	13.02	13.29	13.57	14.17	14.86
60	193.72	12.77	6.41	Student	7.38	9.41	11.15	11.97	12.77	13.58	14.40	16.13	18.17
	191.89	13.04	2.19	School	11.20	11.90	12.49	12.77	13.04	13.32	13.60	14.19	14.89
65	195.45	12.66	6.41	Student	7.26	9.29	11.03	11.85	12.66	13.46	14.28	16.02	18.05
	192.67	13.07	2.19	School	11.23	11.92	12.52	12.80	13.07	13.35	13.63	14.22	14.91
70	197.27	12.54	6.41	Student	7.14	9.17	10.91	11.73	12.54	13.34	14.16	15.90	17.93
	193.49	13.10	2.19	School	11.25	11.95	12.54	12.82	13.10	13.37	13.65	14.25	14.94
75	199.24	12.40	6.41	Student	7.01	9.04	10.78	11.60	12.40	13.21	14.03	15.77	17.80
	194.37	13.13	2.19	School	11.28	11.98	12.57	12.85	13.13	13.40	13.68	14.28	14.97
80	201.43	12.26	6.41	Student	6.86	8.90	10.63	11.45	12.26	13.06	13.88	15.62	17.65
	195.35	13.16	2.19	School	11.32	12.01	12.61	12.89	13.16	13.44	13.72	14.31	15.00
85	203.98	12.09	6.41	Student	6.69	8.73	10.46	11.28	12.09	12.89	13.71	15.45	17.48
	196.49	13.20	2.19	School	11.36	12.05	12.64	12.92	13.20	13.48	13.75	14.35	15.04
90	207.20	11.87	6.41	Student	6.48	8.51	10.25	11.07	11.87	12.68	13.50	15.24	17.27
	197.94	13.25	2.19	School	11.41	12.10	12.69	12.97	13.25	13.52	13.80	14.40	15.09

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.21: Mathematics Grade 3 From Fall To Winter Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	173.61	8.82	5.02	Student	4.60	6.19	7.55	8.19	8.82	9.45	10.09	11.45	13.04	
	182.87	7.66	1.25	School	6.61	7.00	7.34	7.50	7.66	7.82	7.98	8.32	8.71	
20	179.37	8.47	5.02	Student	4.25	5.84	7.20	7.84	8.47	9.10	9.74	11.10	12.70	
	185.46	7.71	1.25	School	6.66	7.05	7.39	7.55	7.71	7.87	8.03	8.37	8.76	
25	181.56	8.34	5.02	Student	4.12	5.71	7.07	7.71	8.34	8.97	9.61	10.97	12.56	
	186.44	7.73	1.25	School	6.68	7.07	7.41	7.57	7.73	7.89	8.05	8.39	8.78	
30	183.53	8.22	5.02	Student	4.00	5.59	6.95	7.59	8.22	8.85	9.49	10.85	12.44	
	187.32	7.75	1.25	School	6.69	7.09	7.43	7.59	7.75	7.90	8.06	8.40	8.80	
35	185.35	8.11	5.02	Student	3.89	5.48	6.84	7.48	8.11	8.74	9.38	10.74	12.33	
	188.14	7.76	1.25	School	6.71	7.11	7.44	7.60	7.76	7.92	8.08	8.42	8.82	
40	187.08	8.01	5.02	Student	3.78	5.38	6.74	7.38	8.01	8.64	9.28	10.64	12.23	
	188.91	7.78	1.25	School	6.72	7.12	7.46	7.62	7.78	7.93	8.09	8.43	8.83	
45	188.76	7.91	5.02	Student	3.68	5.27	6.63	7.27	7.91	8.54	9.18	10.54	12.13	
	189.66	7.79	1.25	School	6.74	7.13	7.47	7.63	7.79	7.95	8.11	8.45	8.85	
48	189.75	7.85	5.02	Student	3.62	5.21	6.57	7.22	7.85	8.48	9.12	10.48	12.07	
	190.11	7.80	1.25	School	6.75	7.14	7.48	7.64	7.80	7.96	8.12	8.46	8.85	
50	190.40	7.81	5.02	Student	3.58	5.17	6.53	7.18	7.81	8.44	9.08	10.44	12.03	
	190.40	7.81	1.25	School	6.75	7.15	7.49	7.65	7.81	7.96	8.12	8.46	8.86	
52	191.06	7.77	5.02	Student	3.54	5.14	6.49	7.14	7.77	8.40	9.04	10.40	11.99	
	190.70	7.81	1.25	School	6.76	7.15	7.49	7.65	7.81	7.97	8.13	8.47	8.87	
55	192.05	7.71	5.02	Student	3.48	5.08	6.43	7.08	7.71	8.34	8.98	10.34	11.93	
	191.14	7.82	1.25	School	6.77	7.16	7.50	7.66	7.82	7.98	8.14	8.48	8.87	
60	193.72	7.60	5.02	Student	3.38	4.97	6.33	6.97	7.60	8.24	8.88	10.24	11.83	
	191.89	7.83	1.25	School	6.78	7.18	7.52	7.68	7.83	7.99	8.15	8.49	8.89	
65	195.45	7.50	5.02	Student	3.28	4.87	6.23	6.87	7.50	8.13	8.77	10.13	11.72	
	192.67	7.85	1.25	School	6.80	7.19	7.53	7.69	7.85	8.01	8.17	8.51	8.90	
70	197.27	7.39	5.02	Student	3.17	4.76	6.12	6.76	7.39	8.02	8.66	10.02	11.61	
	193.49	7.87	1.25	School	6.81	7.21	7.55	7.71	7.87	8.02	8.18	8.52	8.92	
75	199.24	7.27	5.02	Student	3.05	4.64	6.00	6.64	7.27	7.90	8.54	9.90	11.49	
	194.37	7.88	1.25	School	6.83	7.23	7.57	7.72	7.88	8.04	8.20	8.54	8.94	
80	201.43	7.14	5.02	Student	2.92	4.51	5.87	6.51	7.14	7.77	8.41	9.77	11.36	
	195.35	7.90	1.25	School	6.85	7.24	7.58	7.74	7.90	8.06	8.22	8.56	8.96	
85	203.98	6.98	5.02	Student	2.76	4.35	5.71	6.35	6.98	7.61	8.25	9.61	11.21	
	196.49	7.92	1.25	School	6.87	7.27	7.61	7.77	7.92	8.08	8.24	8.58	8.98	
90	207.20	6.79	5.02	Student	2.57	4.16	5.52	6.16	6.79	7.42	8.06	9.42	11.01	
	197.94	7.95	1.25	School	6.90	7.29	7.63	7.79	7.95	8.11	8.27	8.61	9.01	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.22: Mathematics Grade 3 From Winter To Spring Conditional Growth Percentile

Start %ile	Status			Growth	CGP	Conditional Growth									
	RIT	Mean	SD			CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	181.17	5.59	4.72	Student	1.62	3.12	4.40	5.00	5.59	6.19	6.79	8.07	9.57		
	190.36	4.83	0.90	School	4.08	4.36	4.61	4.72	4.83	4.95	5.06	5.31	5.59		
20	187.02	5.45	4.72	Student	1.48	2.98	4.26	4.86	5.45	6.05	6.65	7.93	9.43		
	193.06	4.96	0.90	School	4.20	4.48	4.73	4.84	4.96	5.07	5.18	5.43	5.72		
25	189.24	5.40	4.72	Student	1.43	2.93	4.21	4.81	5.40	5.99	6.60	7.88	9.37		
	194.08	5.00	0.90	School	4.24	4.53	4.77	4.89	5.00	5.12	5.23	5.48	5.76		
30	191.24	5.35	4.72	Student	1.38	2.88	4.16	4.76	5.35	5.95	6.55	7.83	9.33		
	195.00	5.04	0.90	School	4.28	4.57	4.81	4.93	5.04	5.16	5.27	5.52	5.80		
35	193.09	5.31	4.72	Student	1.34	2.83	4.11	4.72	5.31	5.90	6.51	7.79	9.28		
	195.85	5.08	0.90	School	4.32	4.61	4.85	4.97	5.08	5.20	5.31	5.55	5.84		
40	194.84	5.27	4.72	Student	1.29	2.79	4.07	4.67	5.27	5.86	6.46	7.74	9.24		
	196.66	5.12	0.90	School	4.36	4.64	4.89	5.00	5.12	5.23	5.35	5.59	5.88		
45	196.54	5.23	4.72	Student	1.25	2.75	4.03	4.63	5.23	5.82	6.42	7.70	9.20		
	197.44	5.15	0.90	School	4.39	4.68	4.92	5.04	5.15	5.27	5.38	5.63	5.91		
48	197.54	5.20	4.72	Student	1.23	2.73	4.01	4.61	5.20	5.80	6.40	7.68	9.18		
	197.90	5.17	0.90	School	4.41	4.70	4.95	5.06	5.17	5.29	5.40	5.65	5.93		
50	198.21	5.19	4.72	Student	1.21	2.71	3.99	4.59	5.19	5.78	6.38	7.66	9.16		
	198.21	5.19	0.90	School	4.43	4.71	4.96	5.07	5.19	5.30	5.42	5.66	5.95		
52	198.87	5.17	4.72	Student	1.20	2.70	3.98	4.58	5.17	5.77	6.37	7.65	9.15		
	198.52	5.20	0.90	School	4.44	4.73	4.97	5.09	5.20	5.32	5.43	5.67	5.96		
55	199.88	5.15	4.72	Student	1.17	2.67	3.95	4.55	5.15	5.74	6.34	7.62	9.12		
	198.98	5.22	0.90	School	4.46	4.75	4.99	5.11	5.22	5.34	5.45	5.70	5.98		
60	201.58	5.11	4.72	Student	1.13	2.63	3.91	4.51	5.11	5.70	6.30	7.58	9.08		
	199.76	5.26	0.90	School	4.50	4.78	5.03	5.14	5.26	5.37	5.49	5.73	6.02		
65	203.33	5.07	4.72	Student	1.09	2.59	3.87	4.47	5.07	5.66	6.26	7.54	9.04		
	200.57	5.29	0.90	School	4.53	4.82	5.07	5.18	5.29	5.41	5.52	5.77	6.05		
70	205.18	5.02	4.72	Student	1.05	2.55	3.83	4.43	5.02	5.62	6.22	7.50	9.00		
	201.42	5.33	0.90	School	4.57	4.86	5.10	5.22	5.33	5.45	5.56	5.81	6.09		
75	207.17	4.97	4.72	Student	1.00	2.50	3.78	4.38	4.97	5.57	6.17	7.45	8.95		
	202.34	5.37	0.90	School	4.61	4.90	5.15	5.26	5.37	5.49	5.60	5.85	6.13		
80	209.40	4.92	4.72	Student	0.95	2.45	3.73	4.33	4.92	5.52	6.12	7.40	8.90		
	203.36	5.42	0.90	School	4.66	4.95	5.19	5.31	5.42	5.53	5.65	5.89	6.18		
85	211.99	4.86	4.72	Student	0.89	2.38	3.66	4.27	4.86	5.45	6.06	7.34	8.83		
	204.55	5.47	0.90	School	4.71	5.00	5.24	5.36	5.47	5.59	5.70	5.95	6.23		
90	215.24	4.78	4.72	Student	0.81	2.31	3.59	4.19	4.78	5.38	5.98	7.26	8.76		
	206.05	5.54	0.90	School	4.78	5.07	5.31	5.43	5.54	5.65	5.77	6.01	6.30		

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.23: Mathematics Grade 4 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	181.04	10.96	5.80	Student	6.08	7.92	9.49	10.23	10.96	11.69	12.43	14.00	15.84
	190.47	10.19	1.88	School	8.61	9.21	9.71	9.95	10.19	10.43	10.67	11.18	11.77
20	186.92	10.82	5.80	Student	5.94	7.78	9.35	10.09	10.82	11.55	12.29	13.86	15.70
	193.11	10.31	1.88	School	8.73	9.33	9.84	10.08	10.31	10.55	10.79	11.30	11.89
25	189.15	10.76	5.80	Student	5.89	7.72	9.30	10.04	10.76	11.49	12.23	13.80	15.64
	194.12	10.36	1.88	School	8.78	9.37	9.88	10.12	10.36	10.59	10.83	11.34	11.94
30	191.16	10.71	5.80	Student	5.84	7.68	9.25	9.99	10.71	11.44	12.18	13.75	15.59
	195.02	10.40	1.88	School	8.82	9.42	9.92	10.16	10.40	10.64	10.88	11.38	11.98
35	193.02	10.67	5.80	Student	5.79	7.63	9.20	9.94	10.67	11.40	12.14	13.71	15.55
	195.85	10.44	1.88	School	8.86	9.45	9.96	10.20	10.44	10.67	10.91	11.42	12.02
40	194.78	10.63	5.80	Student	5.75	7.59	9.16	9.90	10.63	11.36	12.10	13.67	15.51
	196.65	10.47	1.88	School	8.89	9.49	10.00	10.24	10.47	10.71	10.95	11.46	12.05
45	196.49	10.59	5.80	Student	5.71	7.55	9.12	9.86	10.59	11.31	12.05	13.63	15.46
	197.41	10.51	1.88	School	8.93	9.53	10.03	10.27	10.51	10.75	10.99	11.49	12.09
48	197.50	10.56	5.80	Student	5.68	7.52	9.09	9.83	10.56	11.29	12.03	13.60	15.44
	197.87	10.53	1.88	School	8.95	9.55	10.06	10.29	10.53	10.77	11.01	11.52	12.11
50	198.17	10.54	5.80	Student	5.67	7.50	9.08	9.82	10.54	11.27	12.01	13.58	15.42
	198.17	10.54	1.88	School	8.96	9.56	10.07	10.31	10.54	10.78	11.02	11.53	12.12
52	198.84	10.53	5.80	Student	5.65	7.49	9.06	9.80	10.53	11.26	12.00	13.57	15.41
	198.47	10.56	1.88	School	8.98	9.57	10.08	10.32	10.56	10.79	11.03	11.54	12.14
55	199.85	10.50	5.80	Student	5.63	7.46	9.04	9.78	10.50	11.23	11.97	13.54	15.38
	198.92	10.58	1.88	School	9.00	9.59	10.10	10.34	10.58	10.82	11.05	11.56	12.16
60	201.55	10.46	5.80	Student	5.58	7.42	8.99	9.73	10.46	11.19	11.93	13.50	15.34
	199.69	10.61	1.88	School	9.03	9.63	10.14	10.38	10.61	10.85	11.09	11.60	12.19
65	203.31	10.42	5.80	Student	5.54	7.38	8.95	9.69	10.42	11.15	11.89	13.46	15.30
	200.48	10.65	1.88	School	9.07	9.67	10.18	10.42	10.65	10.89	11.13	11.64	12.23
70	205.17	10.37	5.80	Student	5.50	7.33	8.91	9.65	10.37	11.10	11.84	13.41	15.25
	201.31	10.69	1.88	School	9.11	9.70	10.21	10.45	10.69	10.93	11.17	11.67	12.27
75	207.18	10.33	5.80	Student	5.45	7.29	8.86	9.60	10.33	11.05	11.79	13.37	15.20
	202.21	10.73	1.88	School	9.15	9.75	10.26	10.50	10.73	10.97	11.21	11.72	12.31
80	209.41	10.27	5.80	Student	5.39	7.23	8.80	9.54	10.27	11.00	11.74	13.31	15.15
	203.22	10.78	1.88	School	9.20	9.79	10.30	10.54	10.78	11.01	11.25	11.76	12.36
85	212.01	10.21	5.80	Student	5.33	7.17	8.74	9.48	10.21	10.94	11.68	13.25	15.09
	204.39	10.83	1.88	School	9.25	9.85	10.36	10.59	10.83	11.07	11.31	11.82	12.41
90	215.29	10.13	5.80	Student	5.25	7.09	8.66	9.40	10.13	10.86	11.60	13.17	15.01
	205.86	10.90	1.88	School	9.32	9.91	10.42	10.66	10.90	11.13	11.37	11.88	12.48

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.24: Mathematics Grade 4 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	185.44	10.82	6.59	Student	5.28	7.37	9.15	10.00	10.82	11.65	12.49	14.28	16.37
	195.24	9.81	2.44	School	7.75	8.53	9.19	9.50	9.81	10.11	10.42	11.09	11.86
20	191.65	10.52	6.59	Student	4.98	7.07	8.86	9.70	10.52	11.35	12.19	13.98	16.07
	198.09	9.86	2.44	School	7.80	8.58	9.24	9.55	9.86	10.16	10.47	11.14	11.91
25	194.01	10.41	6.59	Student	4.86	6.96	8.74	9.58	10.41	11.24	12.08	13.87	15.96
	199.17	9.88	2.44	School	7.82	8.59	9.26	9.57	9.88	10.18	10.49	11.16	11.93
30	196.13	10.31	6.59	Student	4.76	6.85	8.64	9.48	10.31	11.14	11.98	13.77	15.86
	200.14	9.89	2.44	School	7.84	8.61	9.27	9.59	9.89	10.20	10.51	11.17	11.95
35	198.10	10.21	6.59	Student	4.67	6.76	8.54	9.39	10.21	11.04	11.88	13.67	15.76
	201.04	9.91	2.44	School	7.85	8.63	9.29	9.60	9.91	10.22	10.53	11.19	11.96
40	199.96	10.12	6.59	Student	4.58	6.67	8.46	9.30	10.12	10.95	11.79	13.58	15.67
	201.90	9.92	2.44	School	7.87	8.64	9.30	9.62	9.92	10.23	10.54	11.20	11.98
45	201.76	10.04	6.59	Student	4.49	6.58	8.37	9.21	10.04	10.87	11.71	13.49	15.58
	202.72	9.94	2.44	School	7.88	8.66	9.32	9.63	9.94	10.24	10.56	11.22	11.99
48	202.83	9.99	6.59	Student	4.44	6.53	8.32	9.16	9.99	10.81	11.66	13.44	15.53
	203.21	9.95	2.44	School	7.89	8.67	9.33	9.64	9.95	10.25	10.57	11.23	12.00
50	203.54	9.95	6.59	Student	4.41	6.50	8.28	9.12	9.95	10.78	11.62	13.41	15.50
	203.54	9.95	2.44	School	7.90	8.67	9.33	9.65	9.95	10.26	10.57	11.23	12.01
52	204.24	9.92	6.59	Student	4.37	6.46	8.25	9.09	9.92	10.75	11.59	13.37	15.47
	203.86	9.96	2.44	School	7.90	8.68	9.34	9.65	9.96	10.26	10.58	11.24	12.01
55	205.31	9.87	6.59	Student	4.32	6.41	8.20	9.04	9.87	10.70	11.54	13.32	15.41
	204.35	9.97	2.44	School	7.91	8.69	9.35	9.66	9.97	10.27	10.59	11.25	12.02
60	207.11	9.78	6.59	Student	4.23	6.32	8.11	8.95	9.78	10.61	11.45	13.24	15.33
	205.18	9.98	2.44	School	7.93	8.70	9.36	9.67	9.98	10.29	10.60	11.26	12.04
65	208.98	9.69	6.59	Student	4.14	6.23	8.02	8.86	9.69	10.52	11.36	13.15	15.24
	206.03	10.00	2.44	School	7.94	8.72	9.38	9.69	10.00	10.30	10.62	11.28	12.05
70	210.94	9.60	6.59	Student	4.05	6.14	7.93	8.77	9.60	10.42	11.27	13.05	15.14
	206.93	10.01	2.44	School	7.96	8.73	9.39	9.71	10.01	10.32	10.63	11.29	12.07
75	213.06	9.49	6.59	Student	3.95	6.04	7.82	8.67	9.49	10.32	11.16	12.95	15.04
	207.90	10.03	2.44	School	7.97	8.75	9.41	9.72	10.03	10.34	10.65	11.31	12.08
80	215.42	9.38	6.59	Student	3.83	5.92	7.71	8.55	9.38	10.21	11.05	12.84	14.93
	208.99	10.05	2.44	School	7.99	8.77	9.43	9.74	10.05	10.36	10.67	11.33	12.10
85	218.17	9.25	6.59	Student	3.70	5.79	7.58	8.42	9.25	10.08	10.92	12.70	14.79
	210.25	10.07	2.44	School	8.02	8.79	9.45	9.76	10.07	10.38	10.69	11.35	12.13
90	221.63	9.08	6.59	Student	3.53	5.62	7.41	8.25	9.08	9.91	10.75	12.54	14.63
	211.83	10.10	2.44	School	8.04	8.82	9.48	9.79	10.10	10.41	10.72	11.38	12.15

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.25: Mathematics Grade 4 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	184.31	9.47	6.11	Student	4.33	6.27	7.92	8.70	9.47	10.24	11.02	12.68	14.62
	194.11	9.17	1.72	School	7.71	8.26	8.73	8.95	9.17	9.38	9.60	10.07	10.62
20	190.36	9.62	6.11	Student	4.47	6.41	8.07	8.85	9.62	10.39	11.17	12.82	14.76
	196.80	9.42	1.72	School	7.96	8.51	8.98	9.20	9.42	9.63	9.85	10.32	10.87
25	192.66	9.67	6.11	Student	4.53	6.47	8.12	8.90	9.67	10.44	11.22	12.88	14.82
	197.82	9.51	1.72	School	8.06	8.61	9.07	9.29	9.51	9.73	9.95	10.42	10.96
30	194.72	9.72	6.11	Student	4.58	6.52	8.17	8.95	9.72	10.49	11.27	12.93	14.87
	198.74	9.60	1.72	School	8.15	8.69	9.16	9.38	9.60	9.81	10.03	10.50	11.05
35	196.64	9.77	6.11	Student	4.62	6.56	8.22	9.00	9.77	10.54	11.32	12.97	14.91
	199.59	9.68	1.72	School	8.22	8.77	9.24	9.46	9.68	9.89	10.11	10.58	11.13
40	198.45	9.81	6.11	Student	4.67	6.61	8.26	9.04	9.81	10.58	11.36	13.02	14.95
	200.39	9.75	1.72	School	8.30	8.85	9.31	9.53	9.75	9.97	10.19	10.66	11.20
45	200.21	9.85	6.11	Student	4.71	6.65	8.31	9.09	9.85	10.62	11.40	13.06	15.00
	201.17	9.82	1.72	School	8.37	8.92	9.39	9.61	9.82	10.04	10.26	10.73	11.27
48	201.25	9.88	6.11	Student	4.73	6.67	8.33	9.11	9.88	10.65	11.43	13.08	15.02
	201.63	9.87	1.72	School	8.41	8.96	9.43	9.65	9.87	10.08	10.30	10.77	11.32
50	201.94	9.89	6.11	Student	4.75	6.69	8.35	9.13	9.89	10.66	11.44	13.10	15.04
	201.94	9.89	1.72	School	8.44	8.99	9.46	9.68	9.89	10.11	10.33	10.80	11.35
52	202.63	9.91	6.11	Student	4.77	6.71	8.36	9.14	9.91	10.68	11.46	13.12	15.05
	202.25	9.92	1.72	School	8.47	9.02	9.49	9.71	9.92	10.14	10.36	10.83	11.37
55	203.67	9.94	6.11	Student	4.79	6.73	8.39	9.17	9.94	10.70	11.48	13.14	15.08
	202.71	9.97	1.72	School	8.52	9.06	9.53	9.75	9.97	10.18	10.40	10.87	11.42
60	205.43	9.98	6.11	Student	4.83	6.77	8.43	9.21	9.98	10.75	11.53	13.18	15.12
	203.49	10.04	1.72	School	8.59	9.13	9.60	9.82	10.04	10.26	10.48	10.94	11.49
65	207.24	10.02	6.11	Student	4.88	6.82	8.47	9.25	10.02	10.79	11.57	13.23	15.17
	204.29	10.11	1.72	School	8.66	9.21	9.68	9.90	10.11	10.33	10.55	11.02	11.57
70	209.16	10.07	6.11	Student	4.92	6.86	8.52	9.30	10.07	10.84	11.62	13.27	15.21
	205.14	10.19	1.72	School	8.74	9.29	9.76	9.98	10.19	10.41	10.63	11.10	11.64
75	211.22	10.12	6.11	Student	4.97	6.91	8.57	9.35	10.12	10.89	11.67	13.32	15.26
	206.06	10.28	1.72	School	8.83	9.37	9.84	10.06	10.28	10.50	10.72	11.18	11.73
80	213.52	10.17	6.11	Student	5.03	6.97	8.62	9.40	10.17	10.94	11.72	13.38	15.32
	207.08	10.37	1.72	School	8.92	9.47	9.94	10.16	10.37	10.59	10.81	11.28	11.83
85	216.20	10.24	6.11	Student	5.09	7.03	8.69	9.47	10.24	11.00	11.78	13.44	15.38
	208.27	10.48	1.72	School	9.03	9.58	10.05	10.27	10.48	10.70	10.92	11.39	11.94
90	219.58	10.32	6.11	Student	5.17	7.11	8.77	9.55	10.32	11.08	11.87	13.52	15.46
	209.77	10.62	1.72	School	9.17	9.72	10.19	10.41	10.62	10.84	11.06	11.53	12.08

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.26: Mathematics Grade 4 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	184.31	11.85	6.41	Student	6.45	8.49	10.22	11.04	11.85	12.65	13.47	15.21	17.24
	194.11	10.82	2.20	School	8.97	9.67	10.26	10.55	10.82	11.10	11.38	11.97	12.67
20	190.36	11.74	6.41	Student	6.35	8.38	10.12	10.94	11.74	12.55	13.37	15.10	17.14
	196.80	11.07	2.20	School	9.22	9.92	10.51	10.79	11.07	11.35	11.63	12.22	12.92
25	192.66	11.71	6.41	Student	6.31	8.34	10.08	10.90	11.71	12.51	13.33	15.07	17.10
	197.82	11.17	2.20	School	9.32	10.01	10.61	10.89	11.17	11.44	11.72	12.32	13.02
30	194.72	11.67	6.41	Student	6.28	8.31	10.05	10.86	11.67	12.48	13.29	15.03	17.06
	198.74	11.25	2.20	School	9.40	10.10	10.69	10.97	11.25	11.53	11.81	12.40	13.10
35	196.64	11.64	6.41	Student	6.24	8.28	10.01	10.83	11.64	12.44	13.26	15.00	17.03
	199.59	11.33	2.20	School	9.48	10.18	10.77	11.05	11.33	11.61	11.89	12.48	13.18
40	198.45	11.61	6.41	Student	6.21	8.25	9.98	10.80	11.61	12.41	13.23	14.97	17.00
	200.39	11.40	2.20	School	9.55	10.25	10.85	11.13	11.40	11.68	11.96	12.56	13.25
45	200.21	11.58	6.41	Student	6.18	8.22	9.95	10.77	11.58	12.38	13.20	14.94	16.97
	201.17	11.48	2.20	School	9.63	10.32	10.92	11.20	11.48	11.75	12.03	12.63	13.33
48	201.25	11.56	6.41	Student	6.17	8.20	9.94	10.75	11.56	12.36	13.18	14.92	16.95
	201.63	11.52	2.20	School	9.67	10.37	10.96	11.24	11.52	11.80	12.08	12.67	13.37
50	201.94	11.55	6.41	Student	6.16	8.19	9.92	10.74	11.55	12.35	13.17	14.91	16.94
	201.94	11.55	2.20	School	9.70	10.40	10.99	11.27	11.55	11.82	12.11	12.70	13.40
52	202.63	11.54	6.41	Student	6.14	8.18	9.91	10.73	11.54	12.34	13.16	14.90	16.93
	202.25	11.58	2.20	School	9.73	10.42	11.02	11.30	11.58	11.85	12.13	12.73	13.43
55	203.67	11.52	6.41	Student	6.13	8.16	9.90	10.71	11.52	12.32	13.14	14.88	16.91
	202.71	11.62	2.20	School	9.77	10.47	11.06	11.34	11.62	11.90	12.18	12.77	13.47
60	205.43	11.49	6.41	Student	6.10	8.13	9.87	10.68	11.49	12.29	13.11	14.85	16.88
	203.49	11.69	2.20	School	9.84	10.54	11.13	11.42	11.69	11.97	12.25	12.84	13.54
65	207.24	11.46	6.41	Student	6.07	8.10	9.84	10.65	11.46	12.26	13.08	14.82	16.85
	204.29	11.77	2.20	School	9.92	10.61	11.21	11.49	11.77	12.04	12.32	12.92	13.62
70	209.16	11.43	6.41	Student	6.03	8.07	9.80	10.62	11.43	12.23	13.05	14.79	16.82
	205.14	11.85	2.20	School	9.99	10.69	11.29	11.57	11.85	12.12	12.40	13.00	13.70
75	211.22	11.39	6.41	Student	6.00	8.03	9.77	10.59	11.39	12.20	13.01	14.75	16.78
	206.06	11.93	2.20	School	10.08	10.78	11.37	11.65	11.93	12.21	12.49	13.08	13.78
80	213.52	11.35	6.41	Student	5.96	7.99	9.73	10.55	11.35	12.16	12.98	14.71	16.75
	207.08	12.03	2.20	School	10.17	10.87	11.47	11.75	12.03	12.30	12.58	13.18	13.88
85	216.20	11.31	6.41	Student	5.91	7.95	9.68	10.50	11.31	12.11	12.93	14.67	16.70
	208.27	12.14	2.20	School	10.29	10.98	11.58	11.86	12.14	12.41	12.69	13.29	13.99
90	219.58	11.25	6.41	Student	5.86	7.89	9.63	10.44	11.25	12.05	12.87	14.61	16.64
	209.77	12.27	2.20	School	10.42	11.12	11.72	12.00	12.27	12.55	12.83	13.43	14.13

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.27: Mathematics Grade 4 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	184.31	7.30	5.04	Student	3.06	4.66	6.02	6.67	7.30	7.93	8.58	9.94	11.54
	194.11	6.36	1.26	School	5.30	5.70	6.04	6.20	6.36	6.51	6.67	7.01	7.41
20	190.36	7.12	5.04	Student	2.88	4.48	5.84	6.49	7.12	7.75	8.39	9.76	11.36
	196.80	6.50	1.26	School	5.44	5.84	6.18	6.34	6.50	6.66	6.82	7.16	7.56
25	192.66	7.05	5.04	Student	2.81	4.41	5.77	6.42	7.05	7.68	8.33	9.69	11.29
	197.82	6.55	1.26	School	5.49	5.89	6.23	6.39	6.55	6.71	6.87	7.21	7.61
30	194.72	6.99	5.04	Student	2.75	4.35	5.71	6.35	6.99	7.62	8.26	9.63	11.23
	198.74	6.60	1.26	School	5.54	5.94	6.28	6.44	6.60	6.76	6.92	7.26	7.66
35	196.64	6.93	5.04	Student	2.69	4.29	5.65	6.30	6.93	7.56	8.21	9.57	11.17
	199.59	6.65	1.26	School	5.59	5.99	6.33	6.49	6.65	6.80	6.96	7.30	7.70
40	198.45	6.88	5.04	Student	2.64	4.23	5.60	6.24	6.88	7.51	8.15	9.52	11.11
	200.39	6.69	1.26	School	5.63	6.03	6.37	6.53	6.69	6.85	7.01	7.35	7.75
45	200.21	6.82	5.04	Student	2.58	4.18	5.55	6.19	6.82	7.46	8.10	9.46	11.06
	201.17	6.73	1.26	School	5.67	6.07	6.41	6.57	6.73	6.89	7.05	7.39	7.79
48	201.25	6.79	5.04	Student	2.55	4.15	5.51	6.16	6.79	7.42	8.07	9.43	11.03
	201.63	6.75	1.26	School	5.70	6.10	6.44	6.60	6.75	6.91	7.07	7.41	7.81
50	201.94	6.77	5.04	Student	2.53	4.13	5.49	6.14	6.77	7.40	8.05	9.41	11.01
	201.94	6.77	1.26	School	5.71	6.11	6.45	6.61	6.77	6.93	7.09	7.43	7.83
52	202.63	6.75	5.04	Student	2.51	4.11	5.47	6.12	6.75	7.38	8.03	9.39	10.99
	202.25	6.79	1.26	School	5.73	6.13	6.47	6.63	6.79	6.94	7.10	7.45	7.84
55	203.67	6.72	5.04	Student	2.48	4.08	5.44	6.09	6.72	7.35	7.99	9.36	10.96
	202.71	6.81	1.26	School	5.75	6.15	6.49	6.65	6.81	6.97	7.13	7.47	7.87
60	205.43	6.67	5.04	Student	2.43	4.02	5.39	6.03	6.67	7.30	7.94	9.31	10.91
	203.49	6.85	1.26	School	5.79	6.19	6.53	6.69	6.85	7.01	7.17	7.51	7.91
65	207.24	6.61	5.04	Student	2.37	3.97	5.33	5.98	6.61	7.24	7.89	9.25	10.85
	204.29	6.90	1.26	School	5.84	6.24	6.58	6.74	6.90	7.05	7.21	7.55	7.95
70	209.16	6.55	5.04	Student	2.31	3.91	5.28	5.92	6.55	7.19	7.83	9.20	10.79
	205.14	6.94	1.26	School	5.88	6.28	6.62	6.78	6.94	7.10	7.26	7.60	8.00
75	211.22	6.49	5.04	Student	2.25	3.85	5.22	5.86	6.49	7.12	7.77	9.13	10.73
	206.06	6.99	1.26	School	5.93	6.33	6.67	6.83	6.99	7.15	7.31	7.65	8.05
80	213.52	6.42	5.04	Student	2.18	3.78	5.15	5.79	6.42	7.06	7.70	9.06	10.66
	207.08	7.04	1.26	School	5.99	6.38	6.72	6.88	7.04	7.20	7.36	7.70	8.10
85	216.20	6.34	5.04	Student	2.10	3.70	5.07	5.71	6.34	6.97	7.62	8.98	10.58
	208.27	7.11	1.26	School	6.05	6.45	6.79	6.95	7.11	7.26	7.42	7.76	8.16
90	219.58	6.24	5.04	Student	2.00	3.60	4.96	5.61	6.24	6.87	7.52	8.88	10.48
	209.77	7.19	1.26	School	6.13	6.53	6.87	7.03	7.19	7.34	7.50	7.84	8.24

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.28: Mathematics Grade 4 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP	Conditional Growth									
	RIT	Mean	SD		CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	190.43	4.85	4.72	Student	0.89	2.38	3.66	4.26	4.85	5.45	6.05	7.33	8.82	
	200.31	4.24	0.88	School	3.50	3.78	4.02	4.13	4.24	4.35	4.46	4.70	4.98	
20	196.70	4.83	4.72	Student	0.86	2.36	3.63	4.24	4.83	5.42	6.02	7.30	8.80	
	203.20	4.43	0.88	School	3.69	3.96	4.20	4.31	4.43	4.54	4.65	4.89	5.16	
25	199.09	4.82	4.72	Student	0.85	2.34	3.62	4.23	4.82	5.41	6.01	7.29	8.79	
	204.29	4.50	0.88	School	3.76	4.03	4.27	4.38	4.50	4.61	4.72	4.96	5.23	
30	201.23	4.81	4.72	Student	0.84	2.34	3.61	4.22	4.81	5.40	6.00	7.28	8.78	
	205.27	4.56	0.88	School	3.82	4.10	4.34	4.45	4.56	4.67	4.78	5.02	5.30	
35	203.21	4.80	4.72	Student	0.83	2.33	3.61	4.21	4.80	5.39	6.00	7.27	8.77	
	206.19	4.62	0.88	School	3.88	4.16	4.39	4.51	4.62	4.73	4.84	5.08	5.36	
40	205.10	4.79	4.72	Student	0.82	2.32	3.60	4.20	4.79	5.39	5.99	7.27	8.76	
	207.05	4.67	0.88	School	3.93	4.21	4.45	4.56	4.67	4.78	4.89	5.13	5.41	
45	206.92	4.79	4.72	Student	0.82	2.31	3.59	4.19	4.79	5.38	5.98	7.26	8.75	
	207.89	4.73	0.88	School	3.99	4.26	4.50	4.61	4.73	4.84	4.95	5.19	5.46	
48	208.00	4.78	4.72	Student	0.81	2.31	3.59	4.19	4.78	5.37	5.98	7.25	8.75	
	208.38	4.76	0.88	School	4.02	4.30	4.53	4.65	4.76	4.87	4.98	5.22	5.50	
50	208.71	4.78	4.72	Student	0.81	2.30	3.58	4.19	4.78	5.37	5.97	7.25	8.75	
	208.71	4.78	0.88	School	4.04	4.32	4.56	4.67	4.78	4.89	5.00	5.24	5.52	
52	209.43	4.77	4.72	Student	0.81	2.30	3.58	4.18	4.77	5.37	5.97	7.25	8.74	
	209.04	4.80	0.88	School	4.06	4.34	4.58	4.69	4.80	4.91	5.02	5.26	5.54	
55	210.50	4.77	4.72	Student	0.80	2.30	3.58	4.18	4.77	5.36	5.97	7.24	8.74	
	209.53	4.83	0.88	School	4.09	4.37	4.61	4.72	4.83	4.94	5.05	5.29	5.57	
60	212.33	4.76	4.72	Student	0.79	2.29	3.57	4.17	4.76	5.36	5.96	7.24	8.73	
	210.37	4.88	0.88	School	4.14	4.42	4.66	4.77	4.88	4.99	5.11	5.34	5.62	
65	214.21	4.75	4.72	Student	0.79	2.28	3.56	4.16	4.75	5.35	5.95	7.23	8.72	
	211.24	4.94	0.88	School	4.20	4.48	4.72	4.83	4.94	5.05	5.16	5.40	5.68	
70	216.19	4.75	4.72	Student	0.78	2.27	3.55	4.15	4.75	5.34	5.94	7.22	8.72	
	212.15	5.00	0.88	School	4.26	4.54	4.77	4.89	5.00	5.11	5.22	5.46	5.74	
75	218.33	4.74	4.72	Student	0.77	2.26	3.54	4.14	4.74	5.33	5.93	7.21	8.71	
	213.13	5.06	0.88	School	4.32	4.60	4.84	4.95	5.06	5.17	5.28	5.52	5.80	
80	220.72	4.73	4.72	Student	0.76	2.25	3.53	4.13	4.73	5.32	5.92	7.20	8.70	
	214.23	5.13	0.88	School	4.39	4.67	4.91	5.02	5.13	5.24	5.35	5.59	5.87	
85	223.50	4.72	4.72	Student	0.75	2.24	3.52	4.12	4.72	5.31	5.91	7.19	8.68	
	215.50	5.21	0.88	School	4.47	4.75	4.99	5.10	5.21	5.32	5.43	5.67	5.95	
90	226.99	4.70	4.72	Student	0.73	2.23	3.51	4.11	4.70	5.29	5.90	7.17	8.67	
	217.11	5.31	0.88	School	4.57	4.85	5.09	5.20	5.31	5.43	5.54	5.78	6.05	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.29: Mathematics Grade 5 From Last Winter To Winter Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	189.19	10.02	6.11	Student	4.87	6.81	8.47	9.25	10.02	10.78	11.56	13.22	15.16	
	198.96	8.97	2.13	School	7.17	7.85	8.43	8.70	8.97	9.23	9.51	10.08	10.76	
20	195.68	9.72	6.11	Student	4.57	6.51	8.17	8.95	9.72	10.48	11.26	12.92	14.86	
	202.09	9.03	2.13	School	7.23	7.91	8.49	8.76	9.03	9.29	9.57	10.14	10.82	
25	198.14	9.60	6.11	Student	4.46	6.40	8.05	8.83	9.60	10.37	11.15	12.80	14.74	
	203.28	9.05	2.13	School	7.26	7.93	8.51	8.78	9.05	9.32	9.59	10.17	10.84	
30	200.35	9.50	6.11	Student	4.36	6.30	7.95	8.73	9.50	10.27	11.05	12.70	14.64	
	204.35	9.07	2.13	School	7.28	7.95	8.53	8.80	9.07	9.34	9.61	10.19	10.86	
35	202.40	9.40	6.11	Student	4.26	6.20	7.86	8.64	9.40	10.17	10.95	12.61	14.55	
	205.34	9.09	2.13	School	7.30	7.97	8.55	8.82	9.09	9.36	9.63	10.21	10.88	
40	204.35	9.31	6.11	Student	4.17	6.11	7.77	8.55	9.31	10.08	10.86	12.52	14.46	
	206.28	9.11	2.13	School	7.31	7.99	8.57	8.84	9.11	9.37	9.65	10.22	10.90	
45	206.23	9.23	6.11	Student	4.09	6.02	7.68	8.46	9.23	9.99	10.77	12.43	14.37	
	207.19	9.12	2.13	School	7.33	8.01	8.58	8.86	9.12	9.39	9.66	10.24	10.92	
48	207.35	9.18	6.11	Student	4.03	5.97	7.63	8.41	9.18	9.94	10.72	12.38	14.32	
	207.73	9.13	2.13	School	7.34	8.02	8.60	8.87	9.13	9.40	9.67	10.25	10.93	
50	208.09	9.14	6.11	Student	4.00	5.94	7.59	8.37	9.14	9.91	10.69	12.35	14.28	
	208.09	9.14	2.13	School	7.35	8.02	8.60	8.87	9.14	9.41	9.68	10.26	10.93	
52	208.82	9.11	6.11	Student	3.97	5.90	7.56	8.34	9.11	9.88	10.66	12.31	14.25	
	208.44	9.15	2.13	School	7.36	8.03	8.61	8.88	9.15	9.42	9.69	10.27	10.94	
55	209.94	9.06	6.11	Student	3.91	5.85	7.51	8.29	9.06	9.82	10.60	12.26	14.20	
	208.98	9.16	2.13	School	7.37	8.04	8.62	8.89	9.16	9.43	9.70	10.28	10.95	
60	211.82	8.97	6.11	Student	3.83	5.77	7.42	8.20	8.97	9.74	10.52	12.17	14.11	
	209.89	9.18	2.13	School	7.38	8.06	8.64	8.91	9.18	9.44	9.72	10.29	10.97	
65	213.77	8.88	6.11	Student	3.74	5.68	7.33	8.11	8.88	9.65	10.43	12.08	14.02	
	210.83	9.19	2.13	School	7.40	8.08	8.65	8.93	9.19	9.46	9.73	10.31	10.99	
70	215.82	8.78	6.11	Student	3.64	5.58	7.24	8.02	8.78	9.55	10.33	11.99	13.93	
	211.82	9.21	2.13	School	7.42	8.10	8.67	8.95	9.21	9.48	9.75	10.33	11.01	
75	218.03	8.68	6.11	Student	3.54	5.48	7.13	7.91	8.68	9.45	10.23	11.89	13.82	
	212.89	9.23	2.13	School	7.44	8.12	8.69	8.97	9.23	9.50	9.77	10.35	11.03	
80	220.49	8.57	6.11	Student	3.43	5.36	7.02	7.80	8.57	9.34	10.12	11.77	13.71	
	214.08	9.26	2.13	School	7.46	8.14	8.72	8.99	9.26	9.53	9.80	10.37	11.05	
85	223.37	8.44	6.11	Student	3.29	5.23	6.89	7.67	8.44	9.20	9.98	11.64	13.58	
	215.47	9.28	2.13	School	7.49	8.17	8.74	9.02	9.28	9.55	9.82	10.40	11.08	
90	226.98	8.27	6.11	Student	3.13	5.06	6.72	7.50	8.27	9.04	9.82	11.47	13.41	
	217.21	9.32	2.13	School	7.52	8.20	8.78	9.05	9.32	9.59	9.86	10.44	11.11	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.30: Mathematics Grade 5 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	192.53	10.08	6.91	Student	4.26	6.45	8.33	9.21	10.08	10.95	11.83	13.71	15.90
	202.77	8.79	2.85	School	6.39	7.30	8.07	8.43	8.79	9.15	9.51	10.28	11.18
20	199.47	9.58	6.91	Student	3.76	5.95	7.83	8.71	9.58	10.45	11.33	13.20	15.40
	206.19	8.73	2.85	School	6.34	7.24	8.01	8.37	8.73	9.09	9.45	10.22	11.13
25	202.10	9.39	6.91	Student	3.57	5.76	7.64	8.52	9.39	10.26	11.14	13.01	15.21
	207.49	8.71	2.85	School	6.31	7.22	7.99	8.35	8.71	9.07	9.43	10.20	11.10
30	204.47	9.22	6.91	Student	3.40	5.59	7.47	8.35	9.22	10.09	10.97	12.84	15.04
	208.66	8.69	2.85	School	6.29	7.20	7.97	8.33	8.69	9.05	9.41	10.18	11.08
35	206.66	9.06	6.91	Student	3.24	5.43	7.31	8.19	9.06	9.93	10.81	12.68	14.88
	209.74	8.67	2.85	School	6.28	7.18	7.95	8.31	8.67	9.03	9.39	10.16	11.07
40	208.74	8.91	6.91	Student	3.09	5.28	7.16	8.04	8.91	9.78	10.66	12.53	14.73
	210.77	8.65	2.85	School	6.26	7.16	7.93	8.30	8.65	9.01	9.37	10.15	11.05
45	210.76	8.76	6.91	Student	2.94	5.14	7.01	7.89	8.76	9.63	10.51	12.39	14.58
	211.76	8.64	2.85	School	6.24	7.14	7.92	8.28	8.64	8.99	9.36	10.13	11.03
48	211.95	8.68	6.91	Student	2.86	5.05	6.92	7.81	8.68	9.55	10.43	12.30	14.50
	212.35	8.63	2.85	School	6.23	7.13	7.91	8.27	8.63	8.98	9.35	10.12	11.02
50	212.74	8.62	6.91	Student	2.80	4.99	6.87	7.75	8.62	9.49	10.37	12.25	14.44
	212.74	8.62	2.85	School	6.23	7.13	7.90	8.26	8.62	8.98	9.34	10.11	11.01
52	213.53	8.56	6.91	Student	2.74	4.94	6.81	7.69	8.56	9.43	10.31	12.19	14.38
	213.13	8.61	2.85	School	6.22	7.12	7.89	8.26	8.61	8.97	9.33	10.11	11.01
55	214.72	8.48	6.91	Student	2.66	4.85	6.72	7.61	8.48	9.35	10.23	12.10	14.30
	213.72	8.60	2.85	School	6.21	7.11	7.88	8.25	8.60	8.96	9.32	10.10	11.00
60	216.73	8.33	6.91	Student	2.51	4.70	6.58	7.46	8.33	9.20	10.08	11.96	14.15
	214.71	8.59	2.85	School	6.19	7.09	7.87	8.23	8.59	8.94	9.31	10.08	10.98
65	218.81	8.18	6.91	Student	2.36	4.55	6.43	7.31	8.18	9.05	9.93	11.81	14.00
	215.74	8.57	2.85	School	6.17	7.08	7.85	8.21	8.57	8.93	9.29	10.06	10.96
70	221.01	8.02	6.91	Student	2.20	4.40	6.27	7.15	8.02	8.89	9.77	11.65	13.84
	216.82	8.55	2.85	School	6.16	7.06	7.83	8.19	8.55	8.91	9.27	10.04	10.95
75	223.37	7.85	6.91	Student	2.03	4.23	6.10	6.98	7.85	8.72	9.60	11.48	13.67
	217.98	8.53	2.85	School	6.14	7.04	7.81	8.17	8.53	8.89	9.25	10.02	10.93
80	226.01	7.66	6.91	Student	1.84	4.03	5.91	6.79	7.66	8.53	9.41	11.29	13.48
	219.28	8.51	2.85	School	6.11	7.02	7.79	8.15	8.51	8.87	9.23	10.00	10.90
85	229.08	7.44	6.91	Student	1.62	3.81	5.69	6.57	7.44	8.31	9.19	11.07	13.26
	220.80	8.48	2.85	School	6.09	6.99	7.76	8.13	8.48	8.84	9.20	9.98	10.88
90	232.95	7.16	6.91	Student	1.34	3.53	5.41	6.29	7.16	8.03	8.91	10.79	12.98
	222.71	8.45	2.85	School	6.06	6.96	7.73	8.09	8.45	8.81	9.17	9.94	10.85

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.31: Mathematics Grade 5 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	192.63	5.35	6.48	Student	-0.10	1.95	3.71	4.54	5.35	6.17	6.99	8.75	10.81
	202.47	5.20	2.04	School	3.48	4.13	4.68	4.94	5.20	5.45	5.71	6.27	6.91
20	199.09	5.57	6.48	Student	0.12	2.17	3.93	4.76	5.57	6.38	7.21	8.97	11.02
	205.55	5.47	2.04	School	3.75	4.40	4.95	5.21	5.47	5.72	5.98	6.54	7.18
25	201.54	5.65	6.48	Student	0.20	2.25	4.01	4.84	5.65	6.47	7.30	9.05	11.11
	206.72	5.57	2.04	School	3.85	4.50	5.05	5.31	5.57	5.83	6.09	6.64	7.29
30	203.74	5.73	6.48	Student	0.27	2.33	4.09	4.91	5.73	6.54	7.37	9.13	11.18
	207.77	5.66	2.04	School	3.95	4.59	5.15	5.41	5.66	5.92	6.18	6.73	7.38
35	205.78	5.80	6.48	Student	0.34	2.40	4.16	4.98	5.80	6.61	7.44	9.20	11.25
	208.74	5.75	2.04	School	4.03	4.68	5.23	5.49	5.75	6.01	6.27	6.82	7.47
40	207.72	5.86	6.48	Student	0.41	2.46	4.22	5.05	5.86	6.68	7.50	9.26	11.32
	209.67	5.83	2.04	School	4.11	4.76	5.32	5.58	5.83	6.09	6.35	6.90	7.55
45	209.59	5.93	6.48	Student	0.47	2.53	4.28	5.11	5.93	6.74	7.57	9.32	11.38
	210.56	5.91	2.04	School	4.19	4.84	5.39	5.65	5.91	6.17	6.43	6.98	7.63
48	210.70	5.96	6.48	Student	0.51	2.57	4.32	5.15	5.96	6.78	7.61	9.36	11.42
	211.09	5.96	2.04	School	4.24	4.89	5.44	5.70	5.96	6.21	6.47	7.03	7.68
50	211.44	5.99	6.48	Student	0.53	2.59	4.35	5.17	5.99	6.80	7.63	9.39	11.44
	211.44	5.99	2.04	School	4.27	4.92	5.47	5.73	5.99	6.25	6.51	7.06	7.71
52	212.18	6.01	6.48	Student	0.56	2.62	4.37	5.20	6.01	6.83	7.66	9.41	11.47
	211.79	6.02	2.04	School	4.30	4.95	5.50	5.76	6.02	6.28	6.54	7.09	7.74
55	213.28	6.05	6.48	Student	0.60	2.65	4.41	5.24	6.05	6.87	7.69	9.45	11.51
	212.32	6.07	2.04	School	4.35	5.00	5.55	5.81	6.07	6.32	6.58	7.14	7.78
60	215.16	6.11	6.48	Student	0.66	2.72	4.47	5.30	6.11	6.93	7.76	9.51	11.57
	213.21	6.15	2.04	School	4.43	5.08	5.63	5.89	6.15	6.40	6.66	7.22	7.86
65	217.09	6.18	6.48	Student	0.73	2.78	4.54	5.37	6.18	6.99	7.82	9.58	11.63
	214.14	6.23	2.04	School	4.51	5.16	5.71	5.97	6.23	6.48	6.74	7.30	7.94
70	219.14	6.25	6.48	Student	0.80	2.85	4.61	5.44	6.25	7.06	7.89	9.65	11.70
	215.11	6.31	2.04	School	4.60	5.24	5.80	6.06	6.31	6.57	6.83	7.38	8.03
75	221.34	6.32	6.48	Student	0.87	2.93	4.68	5.51	6.32	7.14	7.97	9.72	11.78
	216.16	6.41	2.04	School	4.69	5.34	5.89	6.15	6.41	6.66	6.92	7.48	8.12
80	223.79	6.41	6.48	Student	0.95	3.01	4.77	5.59	6.41	7.22	8.05	9.81	11.86
	217.33	6.51	2.04	School	4.79	5.44	5.99	6.25	6.51	6.77	7.03	7.58	8.23
85	226.65	6.50	6.48	Student	1.05	3.11	4.86	5.69	6.50	7.32	8.15	9.90	11.96
	218.69	6.63	2.04	School	4.91	5.56	6.11	6.37	6.63	6.89	7.15	7.70	8.35
90	230.25	6.63	6.48	Student	1.17	3.23	4.98	5.81	6.63	7.44	8.27	10.02	12.08
	220.41	6.78	2.04	School	5.07	5.71	6.27	6.53	6.78	7.04	7.30	7.85	8.50

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.32: Mathematics Grade 5 From Fall To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	192.63	9.91	6.80	Student	4.19	6.35	8.19	9.06	9.91	10.77	11.63	13.48	15.63
	202.47	8.98	2.60	School	6.79	7.61	8.32	8.65	8.98	9.30	9.64	10.34	11.17
20	199.09	9.91	6.80	Student	4.19	6.35	8.19	9.06	9.91	10.77	11.64	13.48	15.64
	205.55	9.30	2.60	School	7.11	7.94	8.64	8.97	9.30	9.63	9.96	10.66	11.49
25	201.54	9.91	6.80	Student	4.19	6.35	8.19	9.06	9.91	10.77	11.64	13.48	15.64
	206.72	9.42	2.60	School	7.23	8.06	8.76	9.10	9.42	9.75	10.08	10.79	11.61
30	203.74	9.92	6.80	Student	4.19	6.35	8.19	9.06	9.92	10.77	11.64	13.48	15.64
	207.77	9.53	2.60	School	7.34	8.17	8.87	9.21	9.53	9.86	10.19	10.90	11.72
35	205.78	9.92	6.80	Student	4.19	6.35	8.19	9.06	9.92	10.77	11.64	13.48	15.64
	208.74	9.64	2.60	School	7.45	8.27	8.98	9.31	9.64	9.96	10.29	11.00	11.82
40	207.72	9.92	6.80	Student	4.19	6.35	8.19	9.06	9.92	10.77	11.64	13.48	15.64
	209.67	9.73	2.60	School	7.54	8.37	9.07	9.41	9.73	10.06	10.39	11.10	11.92
45	209.59	9.92	6.80	Student	4.19	6.35	8.20	9.06	9.92	10.77	11.64	13.48	15.64
	210.56	9.83	2.60	School	7.64	8.46	9.17	9.50	9.83	10.15	10.49	11.19	12.02
48	210.70	9.92	6.80	Student	4.20	6.35	8.20	9.06	9.92	10.77	11.64	13.48	15.64
	211.09	9.88	2.60	School	7.69	8.52	9.22	9.56	9.88	10.21	10.54	11.25	12.07
50	211.44	9.92	6.80	Student	4.20	6.35	8.20	9.06	9.92	10.77	11.64	13.49	15.64
	211.44	9.92	2.60	School	7.73	8.56	9.26	9.59	9.92	10.25	10.58	11.28	12.11
52	212.18	9.92	6.80	Student	4.20	6.35	8.20	9.06	9.92	10.77	11.64	13.49	15.64
	211.79	9.96	2.60	School	7.77	8.59	9.30	9.63	9.96	10.28	10.61	11.32	12.14
55	213.28	9.92	6.80	Student	4.20	6.35	8.20	9.06	9.92	10.77	11.64	13.49	15.64
	212.32	10.01	2.60	School	7.82	8.65	9.35	9.68	10.01	10.34	10.67	11.37	12.20
60	215.16	9.92	6.80	Student	4.20	6.35	8.20	9.07	9.92	10.77	11.64	13.49	15.64
	213.21	10.11	2.60	School	7.92	8.74	9.45	9.78	10.11	10.43	10.76	11.47	12.29
65	217.09	9.92	6.80	Student	4.20	6.35	8.20	9.07	9.92	10.78	11.64	13.49	15.64
	214.14	10.20	2.60	School	8.01	8.84	9.54	9.88	10.20	10.53	10.86	11.57	12.39
70	219.14	9.92	6.80	Student	4.20	6.36	8.20	9.07	9.92	10.78	11.64	13.49	15.65
	215.11	10.30	2.60	School	8.12	8.94	9.65	9.98	10.30	10.63	10.96	11.67	12.49
75	221.34	9.92	6.80	Student	4.20	6.36	8.20	9.07	9.92	10.78	11.65	13.49	15.65
	216.16	10.41	2.60	School	8.23	9.05	9.76	10.09	10.41	10.74	11.07	11.78	12.60
80	223.79	9.92	6.80	Student	4.20	6.36	8.20	9.07	9.92	10.78	11.65	13.49	15.65
	217.33	10.54	2.60	School	8.35	9.17	9.88	10.21	10.54	10.86	11.20	11.90	12.73
85	226.65	9.92	6.80	Student	4.20	6.36	8.20	9.07	9.92	10.78	11.65	13.49	15.65
	218.69	10.68	2.60	School	8.49	9.32	10.02	10.35	10.68	11.01	11.34	12.04	12.87
90	230.25	9.93	6.80	Student	4.20	6.36	8.20	9.07	9.93	10.78	11.65	13.49	15.65
	220.41	10.86	2.60	School	8.67	9.50	10.20	10.53	10.86	11.19	11.52	12.22	13.05

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.33: Mathematics Grade 5 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	192.63	6.12	5.21	Student	1.73	3.39	4.80	5.47	6.12	6.78	7.44	8.85	10.51
	202.47	5.25	1.49	School	4.00	4.47	4.87	5.06	5.25	5.44	5.63	6.03	6.50
20	199.09	6.01	5.21	Student	1.62	3.27	4.69	5.35	6.01	6.66	7.33	8.74	10.39
	205.55	5.43	1.49	School	4.18	4.66	5.06	5.25	5.43	5.62	5.81	6.21	6.69
25	201.54	5.96	5.21	Student	1.58	3.23	4.64	5.31	5.96	6.62	7.28	8.70	10.35
	206.72	5.50	1.49	School	4.25	4.73	5.13	5.32	5.50	5.69	5.88	6.28	6.76
30	203.74	5.92	5.21	Student	1.54	3.19	4.60	5.27	5.92	6.58	7.24	8.66	10.31
	207.77	5.57	1.49	School	4.32	4.79	5.19	5.38	5.57	5.75	5.94	6.35	6.82
35	205.78	5.89	5.21	Student	1.50	3.16	4.57	5.23	5.89	6.54	7.21	8.62	10.27
	208.74	5.63	1.49	School	4.38	4.85	5.25	5.44	5.63	5.81	6.00	6.41	6.88
40	207.72	5.85	5.21	Student	1.47	3.12	4.53	5.20	5.85	6.51	7.17	8.59	10.24
	209.67	5.68	1.49	School	4.43	4.90	5.31	5.49	5.68	5.87	6.06	6.46	6.93
45	209.59	5.82	5.21	Student	1.43	3.09	4.50	5.17	5.82	6.48	7.14	8.55	10.21
	210.56	5.74	1.49	School	4.48	4.96	5.36	5.55	5.74	5.92	6.11	6.51	6.99
48	210.70	5.80	5.21	Student	1.42	3.07	4.48	5.15	5.80	6.46	7.12	8.53	10.19
	211.09	5.77	1.49	School	4.52	4.99	5.39	5.58	5.77	5.95	6.14	6.55	7.02
50	211.44	5.79	5.21	Student	1.40	3.06	4.47	5.13	5.79	6.44	7.11	8.52	10.17
	211.44	5.79	1.49	School	4.54	5.01	5.41	5.60	5.79	5.97	6.16	6.57	7.04
52	212.18	5.78	5.21	Student	1.39	3.04	4.45	5.12	5.78	6.43	7.10	8.51	10.16
	211.79	5.81	1.49	School	4.56	5.03	5.43	5.62	5.81	6.00	6.19	6.59	7.06
55	213.28	5.76	5.21	Student	1.37	3.02	4.44	5.10	5.76	6.41	7.08	8.49	10.14
	212.32	5.84	1.49	School	4.59	5.06	5.46	5.65	5.84	6.03	6.22	6.62	7.09
60	215.16	5.72	5.21	Student	1.34	2.99	4.40	5.07	5.72	6.38	7.04	8.46	10.11
	213.21	5.89	1.49	School	4.64	5.12	5.52	5.71	5.89	6.08	6.27	6.67	7.15
65	217.09	5.69	5.21	Student	1.30	2.96	4.37	5.03	5.69	6.34	7.01	8.42	10.07
	214.14	5.95	1.49	School	4.70	5.17	5.57	5.76	5.95	6.14	6.33	6.73	7.20
70	219.14	5.65	5.21	Student	1.27	2.92	4.33	5.00	5.65	6.31	6.97	8.38	10.04
	215.11	6.01	1.49	School	4.76	5.23	5.63	5.82	6.01	6.20	6.38	6.79	7.26
75	221.34	5.61	5.21	Student	1.23	2.88	4.29	4.96	5.61	6.27	6.93	8.35	10.00
	216.16	6.07	1.49	School	4.82	5.29	5.69	5.88	6.07	6.26	6.45	6.85	7.32
80	223.79	5.57	5.21	Student	1.18	2.84	4.25	4.91	5.57	6.22	6.89	8.30	9.96
	217.33	6.14	1.49	School	4.89	5.36	5.76	5.95	6.14	6.33	6.52	6.92	7.39
85	226.65	5.52	5.21	Student	1.13	2.79	4.20	4.86	5.52	6.17	6.84	8.25	9.90
	218.69	6.22	1.49	School	4.97	5.44	5.85	6.04	6.22	6.41	6.60	7.00	7.47
90	230.25	5.46	5.21	Student	1.07	2.72	4.14	4.80	5.46	6.11	6.78	8.19	9.84
	220.41	6.33	1.49	School	5.08	5.55	5.95	6.14	6.33	6.51	6.70	7.11	7.58

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.34: Mathematics Grade 5 From Winter To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	197.58	3.98	4.81	Student	-0.07	1.45	2.76	3.37	3.98	4.58	5.20	6.50	8.03
	207.53	3.45	1.03	School	2.59	2.91	3.19	3.32	3.45	3.58	3.72	4.00	4.32
20	204.32	4.03	4.81	Student	-0.02	1.51	2.81	3.43	4.03	4.64	5.25	6.56	8.08
	210.86	3.69	1.03	School	2.82	3.15	3.43	3.56	3.69	3.82	3.95	4.23	4.55
25	206.89	4.05	4.81	Student	-0.00	1.53	2.83	3.45	4.05	4.66	5.27	6.58	8.10
	212.12	3.77	1.03	School	2.91	3.23	3.51	3.65	3.77	3.90	4.04	4.32	4.64
30	209.19	4.07	4.81	Student	0.02	1.54	2.85	3.46	4.07	4.67	5.29	6.59	8.12
	213.26	3.85	1.03	School	2.99	3.31	3.59	3.72	3.85	3.98	4.12	4.40	4.72
35	211.32	4.09	4.81	Student	0.03	1.56	2.87	3.48	4.09	4.69	5.30	6.61	8.14
	214.31	3.93	1.03	School	3.06	3.39	3.67	3.80	3.93	4.06	4.19	4.47	4.80
40	213.34	4.10	4.81	Student	0.05	1.58	2.88	3.50	4.10	4.71	5.32	6.63	8.15
	215.31	4.00	1.03	School	3.13	3.46	3.74	3.87	4.00	4.13	4.26	4.54	4.87
45	215.30	4.12	4.81	Student	0.06	1.59	2.90	3.51	4.12	4.72	5.34	6.64	8.17
	216.28	4.06	1.03	School	3.20	3.52	3.80	3.93	4.06	4.19	4.33	4.61	4.93
48	216.46	4.12	4.81	Student	0.07	1.60	2.91	3.52	4.12	4.73	5.34	6.65	8.18
	216.85	4.10	1.03	School	3.24	3.56	3.84	3.97	4.10	4.23	4.37	4.65	4.97
50	217.23	4.13	4.81	Student	0.08	1.61	2.91	3.53	4.13	4.74	5.35	6.66	8.18
	217.23	4.13	1.03	School	3.26	3.59	3.87	4.00	4.13	4.26	4.39	4.67	5.00
52	218.00	4.14	4.81	Student	0.09	1.61	2.92	3.53	4.14	4.74	5.36	6.66	8.19
	217.61	4.16	1.03	School	3.29	3.62	3.90	4.03	4.16	4.29	4.42	4.70	5.03
55	219.15	4.15	4.81	Student	0.09	1.62	2.93	3.54	4.15	4.75	5.37	6.67	8.20
	218.18	4.20	1.03	School	3.33	3.66	3.94	4.07	4.20	4.33	4.46	4.74	5.07
60	221.11	4.16	4.81	Student	0.11	1.64	2.94	3.56	4.16	4.77	5.38	6.69	8.21
	219.14	4.26	1.03	School	3.40	3.72	4.00	4.13	4.26	4.39	4.53	4.81	5.13
65	223.13	4.18	4.81	Student	0.12	1.65	2.96	3.57	4.18	4.78	5.40	6.70	8.23
	220.14	4.33	1.03	School	3.47	3.79	4.07	4.20	4.33	4.46	4.60	4.88	5.20
70	225.27	4.19	4.81	Student	0.14	1.67	2.97	3.59	4.19	4.80	5.41	6.72	8.24
	221.19	4.41	1.03	School	3.54	3.87	4.15	4.28	4.41	4.54	4.67	4.95	5.28
75	227.57	4.21	4.81	Student	0.16	1.69	2.99	3.61	4.21	4.82	5.43	6.74	8.26
	222.33	4.49	1.03	School	3.62	3.95	4.23	4.36	4.49	4.62	4.75	5.03	5.36
80	230.13	4.23	4.81	Student	0.18	1.71	3.01	3.63	4.23	4.84	5.45	6.75	8.28
	223.59	4.57	1.03	School	3.71	4.03	4.31	4.45	4.57	4.70	4.84	5.12	5.44
85	233.12	4.25	4.81	Student	0.20	1.73	3.03	3.65	4.25	4.86	5.47	6.78	8.30
	225.07	4.68	1.03	School	3.81	4.14	4.42	4.55	4.68	4.81	4.94	5.22	5.55
90	236.87	4.28	4.81	Student	0.23	1.76	3.06	3.68	4.28	4.89	5.50	6.81	8.33
	226.92	4.81	1.03	School	3.94	4.27	4.55	4.68	4.81	4.94	5.07	5.35	5.68

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.35: Mathematics Grade 6 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	195.80	7.30	6.12	Student	2.16	4.10	5.76	6.54	7.30	8.07	8.85	10.51	12.45
	206.89	5.77	2.01	School	4.07	4.71	5.26	5.51	5.77	6.02	6.27	6.82	7.46
20	202.88	6.73	6.12	Student	1.58	3.52	5.18	5.96	6.73	7.50	8.28	9.93	11.87
	210.17	5.72	2.01	School	4.03	4.66	5.21	5.46	5.72	5.97	6.23	6.77	7.41
25	205.57	6.51	6.12	Student	1.36	3.30	4.96	5.74	6.51	7.28	8.06	9.72	11.66
	211.41	5.70	2.01	School	4.01	4.65	5.19	5.45	5.70	5.95	6.21	6.75	7.39
30	207.99	6.31	6.12	Student	1.17	3.11	4.76	5.54	6.31	7.08	7.86	9.52	11.46
	212.53	5.68	2.01	School	3.99	4.63	5.17	5.43	5.68	5.94	6.19	6.74	7.37
35	210.23	6.13	6.12	Student	0.98	2.92	4.58	5.36	6.13	6.90	7.68	9.34	11.28
	213.57	5.67	2.01	School	3.98	4.61	5.16	5.42	5.67	5.92	6.18	6.72	7.36
40	212.35	5.96	6.12	Student	0.81	2.75	4.41	5.19	5.96	6.73	7.51	9.16	11.10
	214.55	5.65	2.01	School	3.96	4.60	5.14	5.40	5.65	5.91	6.16	6.71	7.34
45	214.41	5.79	6.12	Student	0.64	2.58	4.24	5.02	5.79	6.56	7.34	9.00	10.94
	215.50	5.64	2.01	School	3.95	4.59	5.13	5.39	5.64	5.89	6.15	6.69	7.33
48	215.63	5.69	6.12	Student	0.54	2.48	4.14	4.92	5.69	6.46	7.24	8.90	10.84
	216.06	5.63	2.01	School	3.94	4.58	5.12	5.38	5.63	5.88	6.14	6.68	7.32
50	216.43	5.63	6.12	Student	0.48	2.42	4.08	4.86	5.63	6.39	7.18	8.83	10.77
	216.43	5.63	2.01	School	3.94	4.57	5.12	5.37	5.63	5.88	6.13	6.68	7.32
52	217.24	5.56	6.12	Student	0.41	2.35	4.01	4.79	5.56	6.33	7.11	8.77	10.71
	216.81	5.62	2.01	School	3.93	4.57	5.11	5.37	5.62	5.87	6.13	6.67	7.31
55	218.46	5.46	6.12	Student	0.31	2.25	3.91	4.69	5.46	6.23	7.01	8.67	10.61
	217.37	5.61	2.01	School	3.92	4.56	5.10	5.36	5.61	5.86	6.12	6.67	7.30
60	220.51	5.29	6.12	Student	0.15	2.09	3.74	4.53	5.29	6.06	6.84	8.50	10.44
	218.32	5.60	2.01	School	3.91	4.55	5.09	5.35	5.60	5.85	6.11	6.65	7.29
65	222.64	5.12	6.12	Student	-0.03	1.91	3.57	4.35	5.12	5.89	6.67	8.33	10.27
	219.30	5.58	2.01	School	3.89	4.53	5.08	5.33	5.58	5.84	6.09	6.64	7.27
70	224.88	4.94	6.12	Student	-0.21	1.73	3.39	4.17	4.94	5.71	6.49	8.15	10.09
	220.34	5.57	2.01	School	3.88	4.52	5.06	5.32	5.57	5.82	6.08	6.62	7.26
75	227.29	4.74	6.12	Student	-0.40	1.54	3.19	3.97	4.74	5.51	6.29	7.95	9.89
	221.45	5.55	2.01	School	3.86	4.50	5.04	5.30	5.55	5.80	6.06	6.61	7.24
80	229.98	4.52	6.12	Student	-0.62	1.32	2.97	3.76	4.52	5.29	6.07	7.73	9.67
	222.70	5.53	2.01	School	3.84	4.48	5.03	5.28	5.53	5.79	6.04	6.59	7.22
85	233.12	4.27	6.12	Student	-0.88	1.06	2.72	3.50	4.27	5.04	5.82	7.48	9.42
	224.15	5.51	2.01	School	3.82	4.46	5.00	5.26	5.51	5.77	6.02	6.57	7.20
90	237.07	3.95	6.12	Student	-1.20	0.74	2.40	3.18	3.95	4.72	5.50	7.15	9.09
	225.97	5.49	2.01	School	3.80	4.43	4.98	5.23	5.49	5.74	6.00	6.54	7.18

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.36: Mathematics Grade 6 From Last Spring To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	198.21	7.58	6.84	Student	1.82	3.99	5.84	6.72	7.58	8.43	9.31	11.16	13.33
	210.05	5.47	2.49	School	3.37	4.16	4.83	5.15	5.47	5.78	6.10	6.77	7.56
20	205.84	6.65	6.84	Student	0.90	3.07	4.92	5.79	6.65	7.51	8.38	10.23	12.40
	213.62	5.26	2.49	School	3.17	3.96	4.63	4.95	5.26	5.58	5.90	6.57	7.36
25	208.74	6.30	6.84	Student	0.55	2.71	4.57	5.44	6.30	7.16	8.03	9.88	12.05
	214.98	5.19	2.49	School	3.09	3.88	4.56	4.88	5.19	5.50	5.82	6.49	7.28
30	211.35	5.98	6.84	Student	0.23	2.40	4.25	5.12	5.98	6.84	7.71	9.57	11.74
	216.19	5.12	2.49	School	3.02	3.81	4.49	4.81	5.12	5.43	5.75	6.43	7.22
35	213.76	5.69	6.84	Student	-0.06	2.11	3.96	4.83	5.69	6.55	7.42	9.27	11.44
	217.32	5.06	2.49	School	2.96	3.75	4.42	4.74	5.06	5.37	5.69	6.36	7.15
40	216.05	5.41	6.84	Student	-0.34	1.83	3.68	4.55	5.41	6.27	7.14	9.00	11.17
	218.39	5.00	2.49	School	2.90	3.69	4.36	4.68	5.00	5.31	5.63	6.30	7.09
45	218.26	5.14	6.84	Student	-0.61	1.56	3.41	4.28	5.14	6.00	6.88	8.73	10.90
	219.43	4.94	2.49	School	2.84	3.63	4.31	4.62	4.94	5.25	5.57	6.24	7.03
48	219.57	4.98	6.84	Student	-0.77	1.40	3.25	4.13	4.98	5.84	6.72	8.57	10.74
	220.04	4.90	2.49	School	2.81	3.60	4.27	4.59	4.90	5.22	5.53	6.21	7.00
50	220.44	4.88	6.84	Student	-0.87	1.29	3.15	4.02	4.88	5.74	6.61	8.46	10.63
	220.44	4.88	2.49	School	2.78	3.57	4.25	4.57	4.88	5.19	5.51	6.19	6.98
52	221.31	4.77	6.84	Student	-0.98	1.19	3.04	3.91	4.77	5.63	6.51	8.36	10.53
	220.85	4.86	2.49	School	2.76	3.55	4.23	4.54	4.86	5.17	5.49	6.16	6.95
55	222.62	4.61	6.84	Student	-1.14	1.03	2.88	3.76	4.61	5.47	6.35	8.20	10.37
	221.46	4.82	2.49	School	2.73	3.52	4.19	4.51	4.82	5.13	5.45	6.13	6.92
60	224.84	4.35	6.84	Student	-1.41	0.76	2.61	3.49	4.35	5.21	6.08	7.93	10.10
	222.50	4.76	2.49	School	2.67	3.46	4.13	4.45	4.76	5.08	5.39	6.07	6.86
65	227.13	4.07	6.84	Student	-1.68	0.48	2.34	3.21	4.07	4.93	5.80	7.65	9.82
	223.57	4.70	2.49	School	2.61	3.40	4.07	4.39	4.70	5.02	5.33	6.01	6.80
70	229.54	3.78	6.84	Student	-1.98	0.19	2.04	2.92	3.78	4.63	5.51	7.36	9.53
	224.70	4.64	2.49	School	2.54	3.33	4.01	4.33	4.64	4.95	5.27	5.95	6.74
75	232.15	3.46	6.84	Student	-2.29	-0.12	1.73	2.60	3.46	4.32	5.19	7.04	9.21
	225.91	4.57	2.49	School	2.47	3.26	3.94	4.26	4.57	4.88	5.20	5.88	6.67
80	235.05	3.11	6.84	Student	-2.64	-0.48	1.38	2.25	3.11	3.97	4.84	6.69	8.86
	227.27	4.49	2.49	School	2.40	3.19	3.86	4.18	4.49	4.81	5.13	5.80	6.59
85	238.43	2.70	6.84	Student	-3.05	-0.89	0.97	1.84	2.70	3.56	4.43	6.28	8.45
	228.85	4.40	2.49	School	2.31	3.10	3.77	4.09	4.40	4.72	5.04	5.71	6.50
90	242.68	2.18	6.84	Student	-3.57	-1.40	0.45	1.32	2.18	3.04	3.91	5.77	7.94
	230.83	4.29	2.49	School	2.20	2.99	3.66	3.98	4.29	4.61	4.92	5.60	6.39

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.37: Mathematics Grade 6 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	197.72	6.61	6.67	Student	1.00	3.11	4.92	5.77	6.61	7.45	8.30	10.10	12.22
	208.40	6.06	1.96	School	4.41	5.03	5.56	5.81	6.06	6.31	6.56	7.09	7.71
20	204.55	6.64	6.67	Student	1.03	3.15	4.95	5.80	6.64	7.48	8.33	10.14	12.25
	211.56	6.28	1.96	School	4.63	5.25	5.79	6.04	6.28	6.53	6.78	7.31	7.93
25	207.14	6.65	6.67	Student	1.04	3.16	4.96	5.82	6.65	7.49	8.34	10.15	12.26
	212.77	6.36	1.96	School	4.72	5.34	5.87	6.12	6.36	6.61	6.86	7.39	8.01
30	209.47	6.66	6.67	Student	1.05	3.17	4.98	5.83	6.66	7.50	8.35	10.16	12.27
	213.85	6.44	1.96	School	4.79	5.41	5.94	6.19	6.44	6.69	6.94	7.47	8.09
35	211.63	6.67	6.67	Student	1.06	3.18	4.99	5.84	6.67	7.51	8.36	10.17	12.28
	214.85	6.51	1.96	School	4.86	5.48	6.01	6.26	6.51	6.76	7.01	7.54	8.16
40	213.68	6.68	6.67	Student	1.07	3.19	5.00	5.85	6.68	7.52	8.37	10.18	12.29
	215.80	6.58	1.96	School	4.93	5.55	6.08	6.33	6.58	6.82	7.07	7.60	8.22
45	215.67	6.69	6.67	Student	1.08	3.20	5.01	5.86	6.69	7.53	8.38	10.19	12.30
	216.71	6.64	1.96	School	4.99	5.61	6.14	6.39	6.64	6.89	7.14	7.67	8.29
48	216.84	6.70	6.67	Student	1.09	3.20	5.01	5.86	6.70	7.54	8.39	10.19	12.31
	217.26	6.68	1.96	School	5.03	5.65	6.18	6.43	6.68	6.92	7.17	7.70	8.32
50	217.62	6.70	6.67	Student	1.09	3.21	5.01	5.87	6.70	7.54	8.39	10.20	12.31
	217.62	6.70	1.96	School	5.06	5.68	6.21	6.46	6.70	6.95	7.20	7.73	8.35
52	218.40	6.71	6.67	Student	1.10	3.21	5.02	5.87	6.71	7.54	8.40	10.20	12.32
	217.98	6.73	1.96	School	5.08	5.70	6.23	6.48	6.73	6.97	7.22	7.75	8.38
55	219.57	6.71	6.67	Student	1.10	3.22	5.02	5.87	6.71	7.55	8.40	10.21	12.32
	218.52	6.77	1.96	School	5.12	5.74	6.27	6.52	6.77	7.01	7.26	7.79	8.41
60	221.55	6.72	6.67	Student	1.11	3.23	5.03	5.88	6.72	7.56	8.41	10.22	12.33
	219.44	6.83	1.96	School	5.18	5.80	6.33	6.58	6.83	7.08	7.33	7.86	8.48
65	223.60	6.73	6.67	Student	1.12	3.24	5.04	5.89	6.73	7.57	8.42	10.23	12.34
	220.39	6.90	1.96	School	5.25	5.87	6.40	6.65	6.90	7.14	7.39	7.92	8.54
70	225.76	6.74	6.67	Student	1.13	3.25	5.05	5.90	6.74	7.58	8.43	10.24	12.35
	221.39	6.97	1.96	School	5.32	5.94	6.47	6.72	6.97	7.21	7.46	7.99	8.61
75	228.09	6.75	6.67	Student	1.14	3.26	5.06	5.91	6.75	7.59	8.44	10.25	12.36
	222.47	7.04	1.96	School	5.39	6.01	6.55	6.80	7.04	7.29	7.54	8.07	8.69
80	230.69	6.76	6.67	Student	1.15	3.27	5.08	5.93	6.76	7.60	8.45	10.26	12.37
	223.67	7.12	1.96	School	5.48	6.10	6.63	6.88	7.12	7.37	7.62	8.15	8.77
85	233.71	6.78	6.67	Student	1.17	3.28	5.09	5.94	6.78	7.62	8.47	10.27	12.39
	225.07	7.22	1.96	School	5.58	6.20	6.73	6.98	7.22	7.47	7.72	8.25	8.87
90	237.52	6.80	6.67	Student	1.19	3.30	5.11	5.96	6.80	7.63	8.49	10.29	12.41
	226.84	7.35	1.96	School	5.70	6.32	6.85	7.10	7.35	7.59	7.84	8.37	8.99

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.38: Mathematics Grade 6 From Fall To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	197.72	8.01	6.74	Student	2.34	4.48	6.31	7.17	8.01	8.86	9.72	11.55	13.69
	208.40	7.03	2.27	School	5.13	5.84	6.46	6.75	7.03	7.32	7.61	8.22	8.94
20	204.55	7.91	6.74	Student	2.23	4.37	6.20	7.06	7.91	8.75	9.62	11.44	13.58
	211.56	7.26	2.27	School	5.36	6.08	6.69	6.98	7.26	7.55	7.84	8.45	9.17
25	207.14	7.87	6.74	Student	2.19	4.33	6.16	7.02	7.87	8.71	9.58	11.40	13.54
	212.77	7.35	2.27	School	5.44	6.16	6.78	7.07	7.35	7.64	7.93	8.54	9.26
30	209.47	7.83	6.74	Student	2.16	4.30	6.12	6.98	7.83	8.68	9.54	11.37	13.51
	213.85	7.43	2.27	School	5.52	6.24	6.86	7.15	7.43	7.72	8.00	8.62	9.34
35	211.63	7.80	6.74	Student	2.12	4.26	6.09	6.95	7.80	8.65	9.51	11.33	13.47
	214.85	7.50	2.27	School	5.60	6.31	6.93	7.22	7.50	7.79	8.08	8.69	9.41
40	213.68	7.77	6.74	Student	2.09	4.23	6.06	6.92	7.77	8.61	9.47	11.30	13.44
	215.80	7.57	2.27	School	5.66	6.38	7.00	7.29	7.57	7.86	8.15	8.76	9.48
45	215.67	7.74	6.74	Student	2.06	4.20	6.03	6.89	7.74	8.58	9.44	11.27	13.41
	216.71	7.64	2.27	School	5.73	6.45	7.07	7.35	7.64	7.92	8.21	8.83	9.55
48	216.84	7.72	6.74	Student	2.04	4.18	6.01	6.87	7.72	8.56	9.43	11.25	13.39
	217.26	7.68	2.27	School	5.77	6.49	7.10	7.39	7.68	7.96	8.25	8.87	9.59
50	217.62	7.71	6.74	Student	2.03	4.17	6.00	6.86	7.71	8.55	9.41	11.24	13.38
	217.62	7.71	2.27	School	5.80	6.52	7.13	7.42	7.71	7.99	8.28	8.89	9.61
52	218.40	7.69	6.74	Student	2.02	4.16	5.98	6.85	7.69	8.54	9.40	11.23	13.37
	217.98	7.73	2.27	School	5.82	6.54	7.16	7.45	7.73	8.02	8.31	8.92	9.64
55	219.57	7.68	6.74	Student	2.00	4.14	5.97	6.83	7.68	8.52	9.38	11.21	13.35
	218.52	7.77	2.27	School	5.86	6.58	7.20	7.49	7.77	8.06	8.35	8.96	9.68
60	221.55	7.64	6.74	Student	1.97	4.11	5.94	6.80	7.64	8.49	9.35	11.18	13.32
	219.44	7.84	2.27	School	5.93	6.65	7.26	7.55	7.84	8.12	8.41	9.03	9.75
65	223.60	7.61	6.74	Student	1.94	4.08	5.90	6.77	7.61	8.46	9.32	11.15	13.29
	220.39	7.91	2.27	School	6.00	6.72	7.33	7.62	7.91	8.19	8.48	9.10	9.82
70	225.76	7.58	6.74	Student	1.90	4.04	5.87	6.73	7.58	8.43	9.29	11.12	13.25
	221.39	7.98	2.27	School	6.07	6.79	7.41	7.70	7.98	8.27	8.55	9.17	9.89
75	228.09	7.54	6.74	Student	1.87	4.01	5.83	6.70	7.54	8.39	9.25	11.08	13.22
	222.47	8.06	2.27	School	6.15	6.87	7.48	7.77	8.06	8.34	8.63	9.25	9.97
80	230.69	7.50	6.74	Student	1.83	3.97	5.79	6.66	7.50	8.35	9.21	11.04	13.18
	223.67	8.15	2.27	School	6.24	6.96	7.57	7.86	8.15	8.43	8.72	9.34	10.05
85	233.71	7.46	6.74	Student	1.78	3.92	5.75	6.61	7.46	8.30	9.16	10.99	13.13
	225.07	8.25	2.27	School	6.34	7.06	7.67	7.96	8.25	8.53	8.82	9.44	10.16
90	237.52	7.40	6.74	Student	1.72	3.86	5.69	6.55	7.40	8.24	9.11	10.93	13.07
	226.84	8.38	2.27	School	6.47	7.19	7.80	8.09	8.38	8.66	8.95	9.57	10.29

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.39: Mathematics Grade 6 From Fall To Winter Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	197.72	4.94	5.18	Student	0.58	2.22	3.62	4.28	4.94	5.59	6.25	7.65	9.30	
	208.40	4.06	1.30	School	2.97	3.38	3.73	3.89	4.06	4.22	4.39	4.74	5.15	
20	204.55	4.77	5.18	Student	0.41	2.05	3.45	4.11	4.77	5.42	6.08	7.48	9.13	
	211.56	4.19	1.30	School	3.10	3.51	3.86	4.03	4.19	4.35	4.52	4.87	5.28	
25	207.14	4.70	5.18	Student	0.34	1.98	3.39	4.05	4.70	5.35	6.01	7.42	9.06	
	212.77	4.24	1.30	School	3.15	3.56	3.91	4.08	4.24	4.40	4.57	4.92	5.33	
30	209.47	4.64	5.18	Student	0.28	1.93	3.33	3.99	4.64	5.29	5.96	7.36	9.00	
	213.85	4.28	1.30	School	3.19	3.60	3.96	4.12	4.28	4.45	4.61	4.96	5.37	
35	211.63	4.59	5.18	Student	0.23	1.87	3.28	3.94	4.59	5.24	5.90	7.31	8.95	
	214.85	4.33	1.30	School	3.24	3.65	4.00	4.16	4.33	4.49	4.65	5.01	5.42	
40	213.68	4.54	5.18	Student	0.18	1.82	3.23	3.89	4.54	5.19	5.85	7.26	8.90	
	215.80	4.37	1.30	School	3.27	3.69	4.04	4.20	4.37	4.53	4.69	5.04	5.46	
45	215.67	4.49	5.18	Student	0.13	1.77	3.18	3.84	4.49	5.14	5.80	7.21	8.85	
	216.71	4.40	1.30	School	3.31	3.72	4.08	4.24	4.40	4.57	4.73	5.08	5.49	
48	216.84	4.46	5.18	Student	0.10	1.74	3.15	3.81	4.46	5.11	5.77	7.18	8.82	
	217.26	4.43	1.30	School	3.34	3.75	4.10	4.26	4.43	4.59	4.75	5.11	5.52	
50	217.62	4.44	5.18	Student	0.08	1.72	3.13	3.79	4.44	5.09	5.75	7.16	8.80	
	217.62	4.44	1.30	School	3.35	3.76	4.11	4.28	4.44	4.60	4.77	5.12	5.53	
52	218.40	4.42	5.18	Student	0.06	1.71	3.11	3.77	4.42	5.07	5.73	7.14	8.78	
	217.98	4.46	1.30	School	3.37	3.78	4.13	4.29	4.46	4.62	4.78	5.14	5.55	
55	219.57	4.39	5.18	Student	0.03	1.68	3.08	3.74	4.39	5.04	5.71	7.11	8.75	
	218.52	4.48	1.30	School	3.39	3.80	4.15	4.32	4.48	4.64	4.81	5.16	5.57	
60	221.55	4.34	5.18	Student	-0.02	1.63	3.03	3.69	4.34	4.99	5.66	7.06	8.70	
	219.44	4.52	1.30	School	3.43	3.84	4.19	4.35	4.52	4.68	4.85	5.20	5.61	
65	223.60	4.29	5.18	Student	-0.07	1.58	2.98	3.64	4.29	4.94	5.61	7.01	8.65	
	220.39	4.56	1.30	School	3.47	3.88	4.23	4.39	4.56	4.72	4.88	5.24	5.65	
70	225.76	4.24	5.18	Student	-0.12	1.52	2.93	3.59	4.24	4.89	5.55	6.96	8.60	
	221.39	4.60	1.30	School	3.51	3.92	4.27	4.44	4.60	4.76	4.93	5.28	5.69	
75	228.09	4.18	5.18	Student	-0.18	1.46	2.87	3.53	4.18	4.83	5.49	6.90	8.54	
	222.47	4.64	1.30	School	3.55	3.96	4.31	4.48	4.64	4.81	4.97	5.32	5.73	
80	230.69	4.12	5.18	Student	-0.24	1.40	2.80	3.47	4.12	4.77	5.43	6.83	8.48	
	223.67	4.69	1.30	School	3.60	4.01	4.37	4.53	4.69	4.86	5.02	5.37	5.78	
85	233.71	4.04	5.18	Student	-0.32	1.32	2.73	3.39	4.04	4.69	5.35	6.76	8.40	
	225.07	4.75	1.30	School	3.66	4.07	4.42	4.59	4.75	4.91	5.08	5.43	5.84	
90	237.52	3.95	5.18	Student	-0.41	1.23	2.63	3.30	3.95	4.60	5.26	6.66	8.31	
	226.84	4.83	1.30	School	3.73	4.15	4.50	4.66	4.83	4.99	5.15	5.50	5.92	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.40: Mathematics Grade 6 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	201.55	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	212.31	2.77	0.92	School	1.99	2.29	2.54	2.65	2.77	2.88	3.00	3.25	3.54	
20	208.59	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	215.66	2.94	0.92	School	2.16	2.46	2.71	2.82	2.94	3.05	3.17	3.42	3.71	
25	211.26	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	216.93	3.00	0.92	School	2.23	2.52	2.77	2.89	3.00	3.12	3.24	3.49	3.78	
30	213.67	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	218.07	3.06	0.92	School	2.29	2.58	2.83	2.95	3.06	3.18	3.29	3.54	3.84	
35	215.89	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	219.13	3.12	0.92	School	2.34	2.63	2.88	3.00	3.12	3.23	3.35	3.60	3.89	
40	218.00	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	220.13	3.17	0.92	School	2.39	2.68	2.93	3.05	3.17	3.28	3.40	3.65	3.94	
45	220.05	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	221.10	3.22	0.92	School	2.44	2.73	2.98	3.10	3.22	3.33	3.45	3.70	3.99	
48	221.26	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	221.68	3.24	0.92	School	2.47	2.76	3.01	3.13	3.24	3.36	3.48	3.73	4.02	
50	222.06	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	222.06	3.26	0.92	School	2.49	2.78	3.03	3.15	3.26	3.38	3.50	3.75	4.04	
52	222.86	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	222.44	3.28	0.92	School	2.51	2.80	3.05	3.17	3.28	3.40	3.52	3.77	4.06	
55	224.07	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	223.02	3.31	0.92	School	2.54	2.83	3.08	3.20	3.31	3.43	3.55	3.80	4.09	
60	226.11	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	223.99	3.36	0.92	School	2.59	2.88	3.13	3.25	3.36	3.48	3.60	3.84	4.14	
65	228.23	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	224.99	3.41	0.92	School	2.64	2.93	3.18	3.30	3.41	3.53	3.65	3.90	4.19	
70	230.45	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	226.05	3.47	0.92	School	2.69	2.98	3.23	3.35	3.47	3.58	3.70	3.95	4.24	
75	232.85	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	227.19	3.53	0.92	School	2.75	3.04	3.29	3.41	3.53	3.64	3.76	4.01	4.30	
80	235.53	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	228.46	3.59	0.92	School	2.82	3.11	3.36	3.47	3.59	3.71	3.82	4.07	4.36	
85	238.65	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	229.94	3.67	0.92	School	2.89	3.18	3.43	3.55	3.67	3.78	3.90	4.15	4.44	
90	242.57	3.26	4.80	Student	-0.78	0.75	2.05	2.66	3.26	3.87	4.48	5.78	7.31	
	231.81	3.76	0.92	School	2.99	3.28	3.53	3.64	3.76	3.88	3.99	4.24	4.53	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.41: Mathematics Grade 7 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	199.31	6.22	5.76	Student	1.38	3.21	4.77	5.50	6.22	6.95	7.68	9.24	11.07	
	210.63	5.42	1.80	School	3.90	4.47	4.96	5.19	5.42	5.64	5.87	6.36	6.93	
20	206.67	5.93	5.76	Student	1.08	2.91	4.47	5.21	5.93	6.65	7.39	8.95	10.77	
	214.11	5.40	1.80	School	3.88	4.45	4.94	5.17	5.40	5.62	5.85	6.34	6.91	
25	209.47	5.82	5.76	Student	0.97	2.80	4.36	5.09	5.82	6.54	7.27	8.83	10.66	
	215.43	5.39	1.80	School	3.88	4.45	4.94	5.17	5.39	5.62	5.85	6.33	6.90	
30	211.98	5.72	5.76	Student	0.87	2.70	4.26	4.99	5.72	6.44	7.17	8.73	10.56	
	216.62	5.38	1.80	School	3.87	4.44	4.93	5.16	5.38	5.61	5.84	6.33	6.90	
35	214.31	5.62	5.76	Student	0.78	2.60	4.16	4.90	5.62	6.35	7.08	8.64	10.47	
	217.71	5.38	1.80	School	3.87	4.44	4.92	5.15	5.38	5.61	5.83	6.32	6.89	
40	216.52	5.53	5.76	Student	0.69	2.51	4.07	4.81	5.53	6.26	6.99	8.55	10.38	
	218.76	5.37	1.80	School	3.86	4.43	4.92	5.15	5.37	5.60	5.83	6.32	6.89	
45	218.65	5.45	5.76	Student	0.60	2.43	3.99	4.72	5.45	6.17	6.91	8.47	10.29	
	219.77	5.37	1.80	School	3.85	4.43	4.91	5.14	5.37	5.59	5.82	6.31	6.88	
48	219.92	5.40	5.76	Student	0.55	2.38	3.94	4.67	5.40	6.12	6.86	8.42	10.24	
	220.36	5.37	1.80	School	3.85	4.42	4.91	5.14	5.37	5.59	5.82	6.31	6.88	
50	220.76	5.36	5.76	Student	0.52	2.34	3.90	4.64	5.36	6.09	6.82	8.38	10.21	
	220.76	5.36	1.80	School	3.85	4.42	4.91	5.14	5.36	5.59	5.82	6.31	6.88	
52	221.60	5.33	5.76	Student	0.48	2.31	3.87	4.61	5.33	6.05	6.79	8.35	10.17	
	221.15	5.36	1.80	School	3.85	4.42	4.91	5.14	5.36	5.59	5.82	6.30	6.87	
55	222.86	5.28	5.76	Student	0.43	2.26	3.82	4.56	5.28	6.00	6.74	8.30	10.12	
	221.75	5.36	1.80	School	3.84	4.41	4.90	5.13	5.36	5.58	5.81	6.30	6.87	
60	225.00	5.19	5.76	Student	0.35	2.17	3.73	4.47	5.19	5.92	6.65	8.21	10.04	
	222.76	5.35	1.80	School	3.84	4.41	4.90	5.13	5.35	5.58	5.81	6.30	6.87	
65	227.21	5.10	5.76	Student	0.26	2.09	3.65	4.38	5.10	5.83	6.56	8.12	9.95	
	223.80	5.35	1.80	School	3.83	4.40	4.89	5.12	5.35	5.57	5.80	6.29	6.86	
70	229.54	5.01	5.76	Student	0.17	1.99	3.55	4.29	5.01	5.73	6.47	8.03	9.86	
	224.90	5.34	1.80	School	3.83	4.40	4.89	5.12	5.34	5.57	5.80	6.28	6.86	
75	232.05	4.91	5.76	Student	0.07	1.89	3.45	4.19	4.91	5.63	6.37	7.93	9.75	
	226.09	5.34	1.80	School	3.82	4.39	4.88	5.11	5.34	5.56	5.79	6.28	6.85	
80	234.85	4.80	5.76	Student	-0.05	1.78	3.34	4.07	4.80	5.52	6.26	7.82	9.64	
	227.41	5.33	1.80	School	3.81	4.39	4.87	5.10	5.33	5.55	5.78	6.27	6.84	
85	238.11	4.67	5.76	Student	-0.18	1.65	3.21	3.94	4.67	5.39	6.13	7.69	9.51	
	228.95	5.32	1.80	School	3.81	4.38	4.86	5.09	5.32	5.55	5.78	6.26	6.83	
90	242.21	4.50	5.76	Student	-0.34	1.48	3.04	3.78	4.50	5.23	5.96	7.52	9.35	
	230.88	5.31	1.80	School	3.80	4.37	4.85	5.08	5.31	5.54	5.77	6.25	6.82	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.42: Mathematics Grade 7 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	200.89 212.79	6.56 5.37	6.46 2.17	Student School	1.12 3.54	3.17 4.23	4.92 4.82	5.74 5.09	6.56 5.37	7.37 5.64	8.19 5.92	9.95 6.51	12.00 7.20
20	208.71 216.53	5.99 5.21	6.46 2.17	Student School	0.55 3.38	2.60 4.07	4.36 4.66	5.18 4.94	5.99 5.21	6.81 5.49	7.63 5.76	9.38 6.35	11.43 7.04
25	211.69 217.95	5.78 5.15	6.46 2.17	Student School	0.34 3.32	2.39 4.01	4.14 4.60	4.97 4.88	5.78 5.15	6.59 5.43	7.42 5.70	9.17 6.29	11.22 6.98
30	214.35 219.22	5.59 5.10	6.46 2.17	Student School	0.15 3.27	2.20 3.96	3.95 4.55	4.78 4.83	5.59 5.10	6.40 5.37	7.22 5.65	8.98 6.24	11.03 6.93
35	216.83 220.40	5.41 5.05	6.46 2.17	Student School	-0.03 3.22	2.02 3.91	3.77 4.50	4.60 4.78	5.41 5.05	6.22 5.32	7.05 5.60	8.80 6.19	10.85 6.88
40	219.17 221.52	5.24 5.01	6.46 2.17	Student School	-0.20 3.18	1.85 3.87	3.60 4.45	4.43 4.73	5.24 5.01	6.05 5.28	6.88 5.56	8.63 6.15	10.68 6.83
45	221.44 222.61	5.08 4.96	6.46 2.17	Student School	-0.36 3.13	1.69 3.82	3.44 4.41	4.26 4.69	5.08 4.96	5.89 5.23	6.71 5.51	8.47 6.10	10.52 6.79
48	222.79 223.25	4.98 4.93	6.46 2.17	Student School	-0.46 3.10	1.59 3.79	3.34 4.38	4.17 4.66	4.98 4.93	5.79 5.21	6.62 5.48	8.37 6.07	10.42 6.76
50	223.68 223.68	4.92 4.92	6.46 2.17	Student School	-0.52 3.09	1.53 3.78	3.28 4.37	4.10 4.64	4.92 4.92	5.73 5.19	6.55 5.47	8.31 6.06	10.36 6.75
52	224.57 224.10	4.85 4.90	6.46 2.17	Student School	-0.59 3.07	1.46 3.76	3.21 4.35	4.04 4.63	4.85 4.90	5.66 5.17	6.49 5.45	8.24 6.04	10.29 6.73
55	225.91 224.74	4.76 4.87	6.46 2.17	Student School	-0.68 3.04	1.37 3.73	3.12 4.32	3.94 4.60	4.76 4.87	5.57 5.15	6.39 5.42	8.14 6.01	10.19 6.70
60	228.18 225.83	4.59 4.83	6.46 2.17	Student School	-0.85 3.00	1.20 3.69	2.95 4.28	3.78 4.55	4.59 4.83	5.40 5.10	6.23 5.38	7.98 5.97	10.03 6.66
65	230.53 226.95	4.42 4.78	6.46 2.17	Student School	-1.02 2.95	1.03 3.64	2.79 4.23	3.61 4.51	4.42 4.78	5.24 5.05	6.06 5.33	7.81 5.92	9.86 6.61
70	233.00 228.13	4.24 4.73	6.46 2.17	Student School	-1.19 2.90	0.86 3.59	2.61 4.18	3.43 4.46	4.24 4.73	5.06 5.00	5.88 5.28	7.63 5.87	9.68 6.56
75	235.67 229.41	4.05 4.68	6.46 2.17	Student School	-1.39 2.85	0.66 3.54	2.42 4.13	3.24 4.41	4.05 4.68	4.86 4.95	5.69 5.23	7.44 5.82	9.49 6.51
80	238.64 230.83	3.84 4.62	6.46 2.17	Student School	-1.60 2.79	0.45 3.48	2.20 4.07	3.03 4.35	3.84 4.62	4.65 4.89	5.48 5.17	7.23 5.76	9.28 6.45
85	242.10 232.48	3.59 4.55	6.46 2.17	Student School	-1.85 2.72	0.20 3.41	1.95 4.00	2.78 4.28	3.59 4.55	4.40 4.82	5.23 5.10	6.98 5.69	9.03 6.38
90	246.46 234.56	3.28 4.47	6.46 2.17	Student School	-2.16 2.64	-0.11 3.33	1.64 3.91	2.46 4.19	3.28 4.47	4.09 4.74	4.91 5.02	6.66 5.60	8.72 6.29

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.43: Mathematics Grade 7 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	201.38	5.08	6.25	Student	-0.18	1.81	3.50	4.30	5.08	5.87	6.67	8.36	10.35	
	212.76	4.86	1.89	School	3.27	3.87	4.38	4.62	4.86	5.10	5.34	5.85	6.45	
20	208.68	5.22	6.25	Student	-0.04	1.94	3.63	4.43	5.22	6.00	6.80	8.49	10.48	
	216.16	5.07	1.89	School	3.48	4.08	4.59	4.83	5.07	5.31	5.55	6.06	6.66	
25	211.46	5.27	6.25	Student	0.01	1.99	3.68	4.48	5.27	6.05	6.85	8.55	10.53	
	217.44	5.15	1.89	School	3.56	4.16	4.67	4.91	5.15	5.39	5.63	6.14	6.74	
30	213.95	5.31	6.25	Student	0.05	2.04	3.73	4.53	5.31	6.10	6.90	8.59	10.57	
	218.60	5.22	1.89	School	3.63	4.23	4.74	4.98	5.22	5.46	5.70	6.21	6.81	
35	216.25	5.35	6.25	Student	0.09	2.08	3.77	4.57	5.35	6.14	6.94	8.63	10.61	
	219.68	5.29	1.89	School	3.69	4.29	4.81	5.05	5.29	5.52	5.77	6.28	6.88	
40	218.44	5.39	6.25	Student	0.13	2.12	3.81	4.61	5.39	6.18	6.98	8.67	10.65	
	220.69	5.35	1.89	School	3.76	4.36	4.87	5.11	5.35	5.59	5.83	6.34	6.94	
45	220.56	5.43	6.25	Student	0.17	2.16	3.85	4.65	5.43	6.22	7.02	8.71	10.69	
	221.68	5.41	1.89	School	3.82	4.42	4.93	5.17	5.41	5.65	5.89	6.40	7.00	
48	221.82	5.46	6.25	Student	0.20	2.18	3.87	4.67	5.46	6.24	7.04	8.73	10.72	
	222.26	5.45	1.89	School	3.85	4.45	4.97	5.21	5.45	5.68	5.93	6.44	7.04	
50	222.65	5.47	6.25	Student	0.21	2.19	3.89	4.69	5.47	6.26	7.05	8.75	10.73	
	222.65	5.47	1.89	School	3.88	4.48	4.99	5.23	5.47	5.71	5.95	6.46	7.06	
52	223.48	5.49	6.25	Student	0.23	2.21	3.90	4.70	5.49	6.27	7.07	8.76	10.75	
	223.03	5.49	1.89	School	3.90	4.50	5.02	5.26	5.49	5.73	5.97	6.49	7.09	
55	224.73	5.51	6.25	Student	0.25	2.23	3.93	4.72	5.51	6.29	7.09	8.79	10.77	
	223.62	5.53	1.89	School	3.94	4.54	5.05	5.29	5.53	5.77	6.01	6.52	7.12	
60	226.85	5.55	6.25	Student	0.29	2.27	3.96	4.76	5.55	6.33	7.13	8.82	10.81	
	224.60	5.59	1.89	School	4.00	4.60	5.11	5.35	5.59	5.83	6.07	6.58	7.18	
65	229.04	5.59	6.25	Student	0.33	2.31	4.00	4.80	5.59	6.37	7.17	8.86	10.85	
	225.62	5.65	1.89	School	4.06	4.66	5.18	5.42	5.65	5.89	6.13	6.65	7.25	
70	231.35	5.63	6.25	Student	0.37	2.35	4.05	4.84	5.63	6.41	7.21	8.91	10.89	
	226.69	5.72	1.89	School	4.13	4.73	5.24	5.48	5.72	5.96	6.20	6.71	7.31	
75	233.84	5.67	6.25	Student	0.41	2.40	4.09	4.89	5.67	6.46	7.26	8.95	10.93	
	227.85	5.79	1.89	School	4.20	4.80	5.31	5.56	5.79	6.03	6.27	6.79	7.39	
80	236.61	5.72	6.25	Student	0.46	2.45	4.14	4.94	5.72	6.51	7.31	9.00	10.98	
	229.14	5.87	1.89	School	4.28	4.88	5.39	5.64	5.87	6.11	6.35	6.87	7.47	
85	239.85	5.78	6.25	Student	0.52	2.51	4.20	5.00	5.78	6.57	7.37	9.06	11.04	
	230.64	5.97	1.89	School	4.37	4.97	5.49	5.73	5.97	6.20	6.45	6.96	7.56	
90	243.91	5.86	6.25	Student	0.60	2.58	4.27	5.07	5.86	6.64	7.44	9.13	11.12	
	232.53	6.08	1.89	School	4.49	5.09	5.60	5.85	6.08	6.32	6.56	7.08	7.68	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.44: Mathematics Grade 7 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	201.38	6.11	6.54	Student	0.60	2.68	4.45	5.29	6.11	6.93	7.77	9.54	11.62
	212.76	5.36	2.08	School	3.61	4.27	4.84	5.10	5.36	5.63	5.89	6.46	7.12
20	208.68	6.05	6.54	Student	0.55	2.62	4.40	5.23	6.05	6.88	7.71	9.49	11.56
	216.16	5.56	2.08	School	3.81	4.47	5.04	5.30	5.56	5.83	6.09	6.66	7.32
25	211.46	6.03	6.54	Student	0.52	2.60	4.37	5.21	6.03	6.85	7.69	9.46	11.54
	217.44	5.64	2.08	School	3.89	4.55	5.11	5.38	5.64	5.90	6.17	6.73	7.39
30	213.95	6.01	6.54	Student	0.51	2.58	4.35	5.19	6.01	6.84	7.67	9.44	11.52
	218.60	5.71	2.08	School	3.95	4.61	5.18	5.45	5.71	5.97	6.24	6.80	7.46
35	216.25	6.00	6.54	Student	0.49	2.56	4.34	5.17	6.00	6.82	7.65	9.43	11.50
	219.68	5.77	2.08	School	4.02	4.68	5.24	5.51	5.77	6.03	6.30	6.86	7.53
40	218.44	5.98	6.54	Student	0.47	2.55	4.32	5.16	5.98	6.80	7.64	9.41	11.49
	220.69	5.83	2.08	School	4.08	4.74	5.30	5.57	5.83	6.09	6.36	6.92	7.59
45	220.56	5.96	6.54	Student	0.45	2.53	4.30	5.14	5.96	6.78	7.62	9.39	11.47
	221.68	5.89	2.08	School	4.13	4.80	5.36	5.63	5.89	6.15	6.42	6.98	7.64
48	221.82	5.95	6.54	Student	0.44	2.52	4.29	5.13	5.95	6.77	7.61	9.38	11.46
	222.26	5.92	2.08	School	4.17	4.83	5.39	5.66	5.92	6.18	6.45	7.02	7.68
50	222.65	5.95	6.54	Student	0.44	2.51	4.29	5.12	5.95	6.77	7.60	9.38	11.45
	222.65	5.95	2.08	School	4.19	4.85	5.42	5.68	5.95	6.21	6.47	7.04	7.70
52	223.48	5.94	6.54	Student	0.43	2.51	4.28	5.12	5.94	6.76	7.60	9.37	11.45
	223.03	5.97	2.08	School	4.21	4.88	5.44	5.71	5.97	6.23	6.50	7.06	7.72
55	224.73	5.93	6.54	Student	0.42	2.50	4.27	5.11	5.93	6.75	7.59	9.36	11.44
	223.62	6.00	2.08	School	4.25	4.91	5.47	5.74	6.00	6.26	6.53	7.10	7.76
60	226.85	5.91	6.54	Student	0.41	2.48	4.26	5.09	5.91	6.74	7.57	9.35	11.42
	224.60	6.06	2.08	School	4.31	4.97	5.53	5.80	6.06	6.32	6.59	7.15	7.82
65	229.04	5.90	6.54	Student	0.39	2.46	4.24	5.07	5.90	6.72	7.55	9.33	11.40
	225.62	6.12	2.08	School	4.37	5.03	5.59	5.86	6.12	6.38	6.65	7.21	7.87
70	231.35	5.88	6.54	Student	0.37	2.45	4.22	5.06	5.88	6.70	7.54	9.31	11.39
	226.69	6.18	2.08	School	4.43	5.09	5.66	5.92	6.18	6.45	6.71	7.28	7.94
75	233.84	5.86	6.54	Student	0.35	2.43	4.20	5.04	5.86	6.68	7.52	9.29	11.37
	227.85	6.25	2.08	School	4.50	5.16	5.72	5.99	6.25	6.51	6.78	7.34	8.01
80	236.61	5.84	6.54	Student	0.33	2.41	4.18	5.02	5.84	6.66	7.50	9.27	11.35
	229.14	6.33	2.08	School	4.57	5.23	5.80	6.07	6.33	6.59	6.86	7.42	8.08
85	239.85	5.81	6.54	Student	0.31	2.38	4.16	4.99	5.81	6.64	7.47	9.24	11.32
	230.64	6.42	2.08	School	4.66	5.32	5.89	6.15	6.42	6.68	6.94	7.51	8.17
90	243.91	5.78	6.54	Student	0.27	2.35	4.12	4.96	5.78	6.60	7.44	9.21	11.29
	232.53	6.53	2.08	School	4.77	5.43	6.00	6.26	6.53	6.79	7.05	7.62	8.28

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.45: Mathematics Grade 7 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	201.38	3.87	5.10	Student	-0.43	1.19	2.57	3.22	3.87	4.51	5.16	6.54	8.16	
	212.76	3.14	1.19	School	2.14	2.52	2.84	2.99	3.14	3.29	3.44	3.77	4.14	
20	208.68	3.73	5.10	Student	-0.56	1.06	2.44	3.09	3.73	4.37	5.02	6.41	8.02	
	216.16	3.26	1.19	School	2.25	2.63	2.95	3.11	3.26	3.41	3.56	3.88	4.26	
25	211.46	3.68	5.10	Student	-0.61	1.00	2.39	3.04	3.68	4.32	4.97	6.35	7.97	
	217.44	3.30	1.19	School	2.30	2.67	3.00	3.15	3.30	3.45	3.60	3.92	4.30	
30	213.95	3.63	5.10	Student	-0.66	0.96	2.34	2.99	3.63	4.27	4.93	6.31	7.93	
	218.60	3.34	1.19	School	2.33	2.71	3.04	3.19	3.34	3.49	3.64	3.96	4.34	
35	216.25	3.59	5.10	Student	-0.70	0.92	2.30	2.95	3.59	4.23	4.88	6.27	7.88	
	219.68	3.37	1.19	School	2.37	2.75	3.07	3.22	3.37	3.52	3.68	4.00	4.38	
40	218.44	3.55	5.10	Student	-0.74	0.88	2.26	2.91	3.55	4.19	4.84	6.23	7.84	
	220.69	3.41	1.19	School	2.41	2.78	3.11	3.26	3.41	3.56	3.71	4.03	4.41	
45	220.56	3.51	5.10	Student	-0.78	0.84	2.22	2.87	3.51	4.15	4.80	6.19	7.81	
	221.68	3.44	1.19	School	2.44	2.82	3.14	3.29	3.44	3.59	3.74	4.07	4.44	
48	221.82	3.49	5.10	Student	-0.80	0.81	2.20	2.85	3.49	4.13	4.78	6.16	7.78	
	222.26	3.46	1.19	School	2.46	2.84	3.16	3.31	3.46	3.61	3.76	4.09	4.46	
50	222.65	3.47	5.10	Student	-0.82	0.80	2.18	2.83	3.47	4.11	4.77	6.15	7.77	
	222.65	3.47	1.19	School	2.47	2.85	3.17	3.32	3.47	3.62	3.78	4.10	4.48	
52	223.48	3.46	5.10	Student	-0.83	0.78	2.17	2.82	3.46	4.10	4.75	6.13	7.75	
	223.03	3.49	1.19	School	2.48	2.86	3.18	3.34	3.49	3.64	3.79	4.11	4.49	
55	224.73	3.44	5.10	Student	-0.86	0.76	2.14	2.79	3.44	4.08	4.73	6.11	7.73	
	223.62	3.51	1.19	School	2.50	2.88	3.20	3.36	3.51	3.66	3.81	4.13	4.51	
60	226.85	3.40	5.10	Student	-0.90	0.72	2.10	2.76	3.40	4.04	4.69	6.07	7.69	
	224.60	3.54	1.19	School	2.54	2.91	3.24	3.39	3.54	3.69	3.84	4.16	4.54	
65	229.04	3.36	5.10	Student	-0.94	0.68	2.06	2.71	3.36	4.00	4.65	6.03	7.65	
	225.62	3.57	1.19	School	2.57	2.95	3.27	3.42	3.57	3.72	3.88	4.20	4.58	
70	231.35	3.31	5.10	Student	-0.98	0.64	2.02	2.67	3.31	3.95	4.61	5.99	7.61	
	226.69	3.61	1.19	School	2.61	2.98	3.31	3.46	3.61	3.76	3.91	4.23	4.61	
75	233.84	3.27	5.10	Student	-1.03	0.59	1.98	2.63	3.27	3.91	4.56	5.94	7.56	
	227.85	3.65	1.19	School	2.65	3.02	3.35	3.50	3.65	3.80	3.95	4.27	4.65	
80	236.61	3.22	5.10	Student	-1.08	0.54	1.92	2.58	3.22	3.86	4.51	5.89	7.51	
	229.14	3.69	1.19	School	2.69	3.07	3.39	3.54	3.69	3.84	3.99	4.32	4.69	
85	239.85	3.16	5.10	Student	-1.14	0.48	1.86	2.52	3.16	3.80	4.45	5.83	7.45	
	230.64	3.74	1.19	School	2.74	3.12	3.44	3.59	3.74	3.89	4.04	4.37	4.74	
90	243.91	3.08	5.10	Student	-1.21	0.41	1.79	2.44	3.08	3.72	4.37	5.76	7.37	
	232.53	3.81	1.19	School	2.80	3.18	3.50	3.66	3.81	3.96	4.11	4.43	4.81	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.46: Mathematics Grade 7 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	204.25	2.47	4.75	Student	-1.53	-0.02	1.27	1.87	2.47	3.07	3.67	4.96	6.47	
	215.79	2.06	0.86	School	1.34	1.61	1.84	1.95	2.06	2.16	2.27	2.51	2.78	
20	211.76	2.47	4.75	Student	-1.53	-0.02	1.27	1.87	2.47	3.07	3.67	4.96	6.47	
	219.34	2.20	0.86	School	1.48	1.75	1.98	2.09	2.20	2.31	2.42	2.65	2.92	
25	214.61	2.47	4.75	Student	-1.53	-0.02	1.27	1.87	2.47	3.07	3.67	4.96	6.47	
	220.68	2.25	0.86	School	1.53	1.80	2.04	2.15	2.25	2.36	2.47	2.70	2.97	
30	217.17	2.47	4.75	Student	-1.53	-0.02	1.27	1.87	2.47	3.07	3.67	4.96	6.47	
	221.89	2.30	0.86	School	1.58	1.85	2.09	2.19	2.30	2.41	2.52	2.75	3.02	
35	219.54	2.47	4.75	Student	-1.53	-0.02	1.27	1.87	2.47	3.07	3.67	4.96	6.47	
	223.02	2.35	0.86	School	1.63	1.90	2.13	2.24	2.35	2.45	2.56	2.80	3.07	
40	221.80	2.47	4.75	Student	-1.53	-0.02	1.27	1.87	2.47	3.07	3.68	4.96	6.47	
	224.08	2.39	0.86	School	1.67	1.94	2.17	2.28	2.39	2.50	2.61	2.84	3.11	
45	223.98	2.47	4.75	Student	-1.53	-0.02	1.27	1.87	2.47	3.07	3.68	4.96	6.47	
	225.11	2.43	0.86	School	1.71	1.98	2.21	2.32	2.43	2.54	2.65	2.88	3.15	
48	225.27	2.47	4.75	Student	-1.53	-0.02	1.27	1.88	2.47	3.07	3.68	4.96	6.47	
	225.72	2.46	0.86	School	1.74	2.01	2.24	2.35	2.46	2.56	2.67	2.90	3.18	
50	226.12	2.47	4.75	Student	-1.53	-0.02	1.27	1.88	2.47	3.07	3.68	4.96	6.47	
	226.12	2.47	0.86	School	1.75	2.02	2.26	2.36	2.47	2.58	2.69	2.92	3.19	
52	226.98	2.47	4.75	Student	-1.53	-0.02	1.27	1.88	2.47	3.07	3.68	4.96	6.47	
	226.53	2.49	0.86	School	1.77	2.04	2.27	2.38	2.49	2.60	2.71	2.94	3.21	
55	228.27	2.47	4.75	Student	-1.53	-0.02	1.27	1.88	2.47	3.07	3.68	4.96	6.47	
	227.13	2.51	0.86	School	1.79	2.06	2.30	2.41	2.51	2.62	2.73	2.96	3.23	
60	230.45	2.47	4.75	Student	-1.53	-0.02	1.27	1.88	2.47	3.07	3.68	4.96	6.47	
	228.16	2.55	0.86	School	1.83	2.11	2.34	2.45	2.55	2.66	2.77	3.00	3.27	
65	232.70	2.47	4.75	Student	-1.53	-0.02	1.27	1.88	2.47	3.07	3.68	4.96	6.47	
	229.23	2.60	0.86	School	1.88	2.15	2.38	2.49	2.60	2.70	2.81	3.05	3.32	
70	235.07	2.47	4.75	Student	-1.52	-0.02	1.27	1.88	2.47	3.07	3.68	4.96	6.47	
	230.35	2.64	0.86	School	1.92	2.19	2.43	2.53	2.64	2.75	2.86	3.09	3.36	
75	237.63	2.47	4.75	Student	-1.52	-0.02	1.27	1.88	2.47	3.07	3.68	4.96	6.47	
	231.56	2.69	0.86	School	1.97	2.24	2.47	2.58	2.69	2.80	2.91	3.14	3.41	
80	240.49	2.47	4.75	Student	-1.52	-0.02	1.27	1.88	2.47	3.07	3.68	4.96	6.47	
	232.91	2.74	0.86	School	2.02	2.30	2.53	2.64	2.74	2.85	2.96	3.19	3.47	
85	243.81	2.47	4.75	Student	-1.52	-0.02	1.27	1.88	2.47	3.07	3.68	4.96	6.47	
	234.48	2.81	0.86	School	2.09	2.36	2.59	2.70	2.81	2.92	3.02	3.26	3.53	
90	248.00	2.47	4.75	Student	-1.52	-0.02	1.27	1.88	2.47	3.07	3.68	4.97	6.47	
	236.45	2.89	0.86	School	2.17	2.44	2.67	2.78	2.89	2.99	3.10	3.34	3.61	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.47: Mathematics Grade 8 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	201.94	5.23	6.42	Student	-0.17	1.87	3.61	4.43	5.23	6.04	6.86	8.60	10.63	
	213.41	4.20	1.97	School	2.55	3.17	3.70	3.95	4.20	4.45	4.70	5.23	5.86	
20	209.74	4.98	6.42	Student	-0.43	1.61	3.35	4.17	4.98	5.78	6.60	8.34	10.38	
	217.27	4.30	1.97	School	2.64	3.27	3.80	4.05	4.30	4.55	4.80	5.33	5.96	
25	212.70	4.88	6.42	Student	-0.52	1.51	3.25	4.07	4.88	5.68	6.50	8.24	10.28	
	218.74	4.34	1.97	School	2.68	3.30	3.84	4.09	4.34	4.58	4.83	5.37	5.99	
30	215.37	4.79	6.42	Student	-0.61	1.42	3.16	3.98	4.79	5.60	6.42	8.16	10.19	
	220.06	4.37	1.97	School	2.71	3.34	3.87	4.12	4.37	4.62	4.87	5.40	6.03	
35	217.83	4.71	6.42	Student	-0.69	1.34	3.08	3.90	4.71	5.52	6.34	8.07	10.11	
	221.28	4.40	1.97	School	2.74	3.37	3.90	4.15	4.40	4.65	4.90	5.43	6.06	
40	220.17	4.63	6.42	Student	-0.77	1.27	3.01	3.83	4.63	5.44	6.26	8.00	10.03	
	222.44	4.43	1.97	School	2.77	3.40	3.93	4.18	4.43	4.68	4.93	5.46	6.09	
45	222.44	4.56	6.42	Student	-0.84	1.19	2.93	3.75	4.56	5.36	6.18	7.92	9.96	
	223.56	4.46	1.97	School	2.80	3.42	3.96	4.21	4.46	4.70	4.96	5.49	6.11	
48	223.77	4.51	6.42	Student	-0.89	1.15	2.89	3.71	4.51	5.32	6.14	7.88	9.92	
	224.22	4.47	1.97	School	2.82	3.44	3.97	4.23	4.47	4.72	4.97	5.51	6.13	
50	224.66	4.48	6.42	Student	-0.92	1.12	2.86	3.68	4.48	5.29	6.11	7.85	9.89	
	224.66	4.48	1.97	School	2.83	3.45	3.99	4.24	4.48	4.73	4.98	5.52	6.14	
52	225.55	4.46	6.42	Student	-0.95	1.09	2.83	3.65	4.46	5.26	6.08	7.82	9.86	
	225.10	4.50	1.97	School	2.84	3.46	4.00	4.25	4.50	4.74	4.99	5.53	6.15	
55	226.89	4.41	6.42	Student	-0.99	1.05	2.78	3.60	4.41	5.22	6.04	7.78	9.81	
	225.77	4.51	1.97	School	2.86	3.48	4.01	4.26	4.51	4.76	5.01	5.54	6.17	
60	229.16	4.34	6.42	Student	-1.07	0.97	2.71	3.53	4.34	5.14	5.96	7.70	9.74	
	226.89	4.54	1.97	School	2.88	3.51	4.04	4.29	4.54	4.79	5.04	5.57	6.20	
65	231.50	4.26	6.42	Student	-1.14	0.89	2.63	3.45	4.26	5.07	5.89	7.63	9.66	
	228.05	4.57	1.97	School	2.91	3.54	4.07	4.32	4.57	4.82	5.07	5.60	6.23	
70	233.96	4.18	6.42	Student	-1.22	0.81	2.55	3.37	4.18	4.99	5.80	7.54	9.58	
	229.27	4.60	1.97	School	2.94	3.57	4.10	4.35	4.60	4.85	5.10	5.63	6.26	
75	236.62	4.09	6.42	Student	-1.31	0.73	2.46	3.28	4.09	4.90	5.72	7.46	9.49	
	230.59	4.63	1.97	School	2.98	3.60	4.13	4.39	4.63	4.88	5.13	5.67	6.29	
80	239.59	3.99	6.42	Student	-1.41	0.63	2.37	3.19	3.99	4.80	5.62	7.36	9.40	
	232.05	4.67	1.97	School	3.01	3.64	4.17	4.42	4.67	4.92	5.17	5.70	6.33	
85	243.04	3.88	6.42	Student	-1.52	0.51	2.25	3.07	3.88	4.69	5.51	7.25	9.28	
	233.76	4.71	1.97	School	3.06	3.68	4.21	4.47	4.71	4.96	5.21	5.74	6.37	
90	247.39	3.74	6.42	Student	-1.67	0.37	2.11	2.93	3.74	4.54	5.36	7.10	9.14	
	235.92	4.77	1.97	School	3.11	3.73	4.27	4.52	4.77	5.01	5.27	5.80	6.42	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.48: Mathematics Grade 8 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	203.15	5.37	7.70	Student	-1.11	1.33	3.42	4.40	5.37	6.33	7.32	9.41	11.85
	215.16	3.86	2.50	School	1.76	2.55	3.23	3.55	3.86	4.18	4.49	5.17	5.97
20	211.31	4.90	7.70	Student	-1.58	0.86	2.95	3.93	4.90	5.87	6.85	8.94	11.38
	219.20	3.91	2.50	School	1.81	2.60	3.28	3.60	3.91	4.22	4.54	5.22	6.01
25	214.41	4.72	7.70	Student	-1.76	0.68	2.77	3.75	4.72	5.69	6.67	8.76	11.20
	220.73	3.93	2.50	School	1.82	2.62	3.30	3.61	3.93	4.24	4.56	5.24	6.03
30	217.20	4.56	7.70	Student	-1.92	0.52	2.61	3.59	4.56	5.53	6.51	8.60	11.04
	222.11	3.95	2.50	School	1.84	2.63	3.31	3.63	3.95	4.26	4.58	5.26	6.05
35	219.78	4.41	7.70	Student	-2.07	0.38	2.46	3.45	4.41	5.38	6.36	8.45	10.90
	223.39	3.96	2.50	School	1.86	2.65	3.33	3.65	3.96	4.28	4.59	5.27	6.07
40	222.22	4.27	7.70	Student	-2.21	0.24	2.32	3.31	4.27	5.24	6.22	8.31	10.75
	224.60	3.98	2.50	School	1.87	2.66	3.34	3.66	3.98	4.29	4.61	5.29	6.08
45	224.59	4.14	7.70	Student	-2.34	0.10	2.19	3.17	4.14	5.11	6.09	8.18	10.62
	225.77	3.99	2.50	School	1.89	2.68	3.36	3.68	3.99	4.30	4.62	5.30	6.09
48	225.99	4.06	7.70	Student	-2.42	0.02	2.11	3.09	4.06	5.03	6.01	8.10	10.54
	226.46	4.00	2.50	School	1.89	2.69	3.37	3.68	4.00	4.31	4.63	5.31	6.10
50	226.92	4.00	7.70	Student	-2.48	-0.03	2.05	3.04	4.00	4.97	5.96	8.04	10.49
	226.92	4.00	2.50	School	1.90	2.69	3.37	3.69	4.00	4.32	4.64	5.32	6.11
52	227.85	3.95	7.70	Student	-2.53	-0.09	2.00	2.98	3.95	4.92	5.90	7.99	10.43
	227.38	4.01	2.50	School	1.91	2.70	3.38	3.70	4.01	4.32	4.64	5.32	6.11
55	229.25	3.87	7.70	Student	-2.61	-0.17	1.92	2.90	3.87	4.84	5.82	7.91	10.35
	228.08	4.02	2.50	School	1.91	2.71	3.38	3.70	4.02	4.33	4.65	5.33	6.12
60	231.62	3.73	7.70	Student	-2.75	-0.30	1.78	2.77	3.73	4.70	5.69	7.77	10.22
	229.25	4.03	2.50	School	1.93	2.72	3.40	3.72	4.03	4.35	4.67	5.34	6.14
65	234.07	3.59	7.70	Student	-2.89	-0.44	1.64	2.63	3.59	4.56	5.55	7.63	10.08
	230.46	4.05	2.50	School	1.94	2.74	3.41	3.73	4.05	4.36	4.68	5.36	6.15
70	236.65	3.45	7.70	Student	-3.03	-0.59	1.50	2.48	3.45	4.41	5.40	7.48	9.93
	231.74	4.06	2.50	School	1.96	2.75	3.43	3.75	4.06	4.38	4.70	5.37	6.17
75	239.43	3.29	7.70	Student	-3.19	-0.75	1.34	2.32	3.29	4.25	5.24	7.33	9.77
	233.12	4.08	2.50	School	1.98	2.77	3.45	3.77	4.08	4.39	4.71	5.39	6.18
80	242.53	3.11	7.70	Student	-3.37	-0.93	1.16	2.14	3.11	4.08	5.06	7.15	9.59
	234.65	4.10	2.50	School	1.99	2.79	3.46	3.78	4.10	4.41	4.73	5.41	6.20
85	246.15	2.90	7.70	Student	-3.58	-1.14	0.95	1.93	2.90	3.87	4.85	6.94	9.38
	236.44	4.12	2.50	School	2.02	2.81	3.49	3.81	4.12	4.43	4.75	5.43	6.22
90	250.69	2.64	7.70	Student	-3.84	-1.40	0.69	1.67	2.64	3.61	4.59	6.68	9.12
	238.69	4.15	2.50	School	2.04	2.84	3.51	3.83	4.15	4.46	4.78	5.46	6.25

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.49: Mathematics Grade 8 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	203.42	2.85	7.11	Student	-3.14	-0.88	1.04	1.95	2.85	3.74	4.65	6.57	8.83
	215.03	3.15	1.92	School	1.54	2.15	2.67	2.91	3.15	3.40	3.64	4.16	4.77
20	211.28	3.23	7.11	Student	-2.75	-0.50	1.43	2.34	3.23	4.12	5.03	6.96	9.21
	218.90	3.43	1.92	School	1.81	2.42	2.94	3.19	3.43	3.67	3.92	4.44	5.05
25	214.26	3.38	7.11	Student	-2.61	-0.35	1.57	2.48	3.38	4.27	5.18	7.10	9.36
	220.37	3.54	1.92	School	1.92	2.53	3.05	3.30	3.54	3.78	4.03	4.55	5.16
30	216.94	3.51	7.11	Student	-2.48	-0.22	1.71	2.61	3.51	4.40	5.31	7.23	9.49
	221.69	3.63	1.92	School	2.01	2.62	3.15	3.39	3.63	3.87	4.12	4.64	5.25
35	219.42	3.63	7.11	Student	-2.36	-0.10	1.83	2.73	3.63	4.52	5.43	7.36	9.61
	222.91	3.72	1.92	School	2.10	2.71	3.23	3.48	3.72	3.96	4.21	4.73	5.34
40	221.78	3.74	7.11	Student	-2.24	0.01	1.94	2.85	3.74	4.64	5.54	7.47	9.73
	224.07	3.80	1.92	School	2.18	2.79	3.32	3.56	3.80	4.05	4.29	4.81	5.42
45	224.06	3.85	7.11	Student	-2.13	0.13	2.05	2.96	3.85	4.75	5.66	7.58	9.84
	225.19	3.88	1.92	School	2.27	2.88	3.40	3.64	3.88	4.13	4.37	4.89	5.50
48	225.40	3.92	7.11	Student	-2.06	0.19	2.12	3.03	3.92	4.81	5.72	7.65	9.90
	225.86	3.93	1.92	School	2.31	2.92	3.44	3.69	3.93	4.17	4.42	4.94	5.55
50	226.30	3.96	7.11	Student	-2.02	0.24	2.16	3.07	3.96	4.86	5.76	7.69	9.95
	226.30	3.96	1.92	School	2.34	2.95	3.48	3.72	3.96	4.21	4.45	4.97	5.58
52	227.20	4.01	7.11	Student	-1.98	0.28	2.21	3.11	4.01	4.90	5.81	7.74	9.99
	226.74	4.00	1.92	School	2.38	2.99	3.51	3.75	4.00	4.24	4.48	5.00	5.61
55	228.54	4.07	7.11	Student	-1.91	0.35	2.27	3.18	4.07	4.97	5.87	7.80	10.06
	227.41	4.04	1.92	School	2.42	3.03	3.56	3.80	4.04	4.28	4.53	5.05	5.66
60	230.82	4.18	7.11	Student	-1.80	0.46	2.38	3.29	4.18	5.08	5.99	7.91	10.17
	228.53	4.12	1.92	School	2.50	3.11	3.64	3.88	4.12	4.37	4.61	5.13	5.74
65	233.18	4.30	7.11	Student	-1.68	0.57	2.50	3.41	4.30	5.19	6.10	8.03	10.28
	229.69	4.21	1.92	School	2.59	3.20	3.72	3.97	4.21	4.45	4.69	5.22	5.83
70	235.66	4.42	7.11	Student	-1.56	0.69	2.62	3.53	4.42	5.31	6.22	8.15	10.40
	230.91	4.29	1.92	School	2.68	3.29	3.81	4.05	4.29	4.54	4.78	5.30	5.91
75	238.34	4.55	7.11	Student	-1.43	0.82	2.75	3.66	4.55	5.45	6.35	8.28	10.54
	232.23	4.39	1.92	School	2.77	3.38	3.90	4.15	4.39	4.63	4.88	5.40	6.01
80	241.32	4.70	7.11	Student	-1.29	0.97	2.90	3.80	4.70	5.59	6.50	8.43	10.68
	233.70	4.50	1.92	School	2.88	3.49	4.01	4.25	4.50	4.74	4.98	5.50	6.11
85	244.80	4.87	7.11	Student	-1.12	1.14	3.07	3.97	4.87	5.76	6.67	8.60	10.85
	235.42	4.62	1.92	School	3.00	3.61	4.13	4.38	4.62	4.86	5.11	5.63	6.24
90	249.18	5.08	7.11	Student	-0.90	1.35	3.28	4.19	5.08	5.97	6.88	8.81	11.06
	237.57	4.77	1.92	School	3.15	3.76	4.29	4.53	4.77	5.01	5.26	5.78	6.39

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.50: Mathematics Grade 8 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	203.42	5.07	7.65	Student	-1.37	1.05	3.13	4.10	5.07	6.03	7.00	9.08	11.50	
	215.03	3.87	2.12	School	2.09	2.76	3.33	3.60	3.87	4.14	4.41	4.98	5.65	
20	211.28	4.91	7.65	Student	-1.52	0.90	2.98	3.95	4.91	5.88	6.85	8.93	11.35	
	218.90	4.13	2.12	School	2.35	3.02	3.59	3.86	4.13	4.40	4.67	5.24	5.91	
25	214.26	4.86	7.65	Student	-1.58	0.85	2.92	3.90	4.86	5.82	6.80	8.87	11.30	
	220.37	4.23	2.12	School	2.45	3.12	3.69	3.96	4.23	4.50	4.77	5.34	6.01	
30	216.94	4.81	7.65	Student	-1.63	0.79	2.87	3.85	4.81	5.77	6.74	8.82	11.24	
	221.69	4.32	2.12	School	2.53	3.21	3.78	4.05	4.32	4.58	4.85	5.43	6.10	
35	219.42	4.76	7.65	Student	-1.68	0.75	2.82	3.80	4.76	5.72	6.70	8.77	11.20	
	222.91	4.40	2.12	School	2.62	3.29	3.86	4.13	4.40	4.67	4.94	5.51	6.18	
40	221.78	4.71	7.65	Student	-1.72	0.70	2.78	3.75	4.71	5.67	6.65	8.73	11.15	
	224.07	4.48	2.12	School	2.69	3.37	3.94	4.21	4.48	4.74	5.01	5.59	6.26	
45	224.06	4.67	7.65	Student	-1.77	0.66	2.73	3.71	4.67	5.63	6.61	8.68	11.11	
	225.19	4.55	2.12	School	2.77	3.44	4.02	4.29	4.55	4.82	5.09	5.66	6.34	
48	225.40	4.64	7.65	Student	-1.79	0.63	2.71	3.68	4.64	5.61	6.58	8.66	11.08	
	225.86	4.60	2.12	School	2.81	3.49	4.06	4.33	4.60	4.86	5.13	5.71	6.38	
50	226.30	4.63	7.65	Student	-1.81	0.62	2.69	3.67	4.63	5.59	6.56	8.64	11.06	
	226.30	4.63	2.12	School	2.84	3.52	4.09	4.36	4.63	4.89	5.16	5.74	6.41	
52	227.20	4.61	7.65	Student	-1.83	0.60	2.67	3.65	4.61	5.57	6.55	8.62	11.05	
	226.74	4.66	2.12	School	2.87	3.55	4.12	4.39	4.66	4.92	5.19	5.77	6.44	
55	228.54	4.58	7.65	Student	-1.85	0.57	2.65	3.62	4.58	5.55	6.52	8.60	11.02	
	227.41	4.70	2.12	School	2.92	3.59	4.16	4.43	4.70	4.97	5.24	5.81	6.48	
60	230.82	4.54	7.65	Student	-1.90	0.53	2.60	3.58	4.54	5.50	6.48	8.55	10.98	
	228.53	4.78	2.12	School	2.99	3.67	4.24	4.51	4.78	5.04	5.31	5.89	6.56	
65	233.18	4.50	7.65	Student	-1.94	0.48	2.56	3.53	4.50	5.46	6.43	8.51	10.93	
	229.69	4.85	2.12	School	3.07	3.74	4.32	4.59	4.85	5.12	5.39	5.97	6.64	
70	235.66	4.45	7.65	Student	-1.99	0.44	2.51	3.49	4.45	5.41	6.39	8.46	10.89	
	230.91	4.94	2.12	School	3.15	3.83	4.40	4.67	4.94	5.20	5.47	6.05	6.72	
75	238.34	4.40	7.65	Student	-2.04	0.38	2.46	3.44	4.40	5.36	6.33	8.41	10.83	
	232.23	5.02	2.12	School	3.24	3.91	4.49	4.76	5.02	5.29	5.56	6.14	6.81	
80	241.32	4.34	7.65	Student	-2.10	0.33	2.40	3.38	4.34	5.30	6.28	8.35	10.78	
	233.70	5.12	2.12	School	3.34	4.01	4.59	4.86	5.12	5.39	5.66	6.23	6.91	
85	244.80	4.27	7.65	Student	-2.17	0.26	2.33	3.31	4.27	5.23	6.21	8.28	10.71	
	235.42	5.24	2.12	School	3.46	4.13	4.70	4.97	5.24	5.50	5.78	6.35	7.02	
90	249.18	4.19	7.65	Student	-2.25	0.18	2.25	3.23	4.19	5.15	6.13	8.20	10.63	
	237.57	5.38	2.12	School	3.60	4.27	4.85	5.12	5.38	5.65	5.92	6.49	7.17	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.51: Mathematics Grade 8 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	203.42	3.37 5.58	Student	-1.32	0.45	1.96	2.67	3.37	4.08	4.79	6.30	8.07	
	215.03	2.42 1.21	School	1.40	1.78	2.11	2.26	2.42	2.57	2.72	3.05	3.43	
20	211.28	3.19 5.58	Student	-1.50	0.27	1.78	2.49	3.19	3.89	4.61	6.12	7.89	
	218.90	2.56 1.21	School	1.54	1.93	2.26	2.41	2.56	2.72	2.87	3.20	3.58	
25	214.26	3.12 5.58	Student	-1.57	0.20	1.71	2.42	3.12	3.83	4.54	6.05	7.82	
	220.37	2.62 1.21	School	1.60	1.98	2.31	2.47	2.62	2.77	2.93	3.26	3.64	
30	216.94	3.06 5.58	Student	-1.63	0.14	1.65	2.36	3.06	3.76	4.48	5.99	7.76	
	221.69	2.67 1.21	School	1.65	2.04	2.36	2.52	2.67	2.82	2.98	3.31	3.69	
35	219.42	3.01 5.58	Student	-1.69	0.08	1.59	2.31	3.01	3.71	4.42	5.93	7.70	
	222.91	2.72 1.21	School	1.70	2.08	2.41	2.57	2.72	2.87	3.02	3.35	3.74	
40	221.78	2.95 5.58	Student	-1.74	0.03	1.54	2.25	2.95	3.65	4.36	5.88	7.65	
	224.07	2.76 1.21	School	1.74	2.13	2.46	2.61	2.76	2.91	3.07	3.40	3.78	
45	224.06	2.90 5.58	Student	-1.79	-0.03	1.49	2.20	2.90	3.60	4.31	5.82	7.59	
	225.19	2.81 1.21	School	1.79	2.17	2.50	2.65	2.81	2.96	3.11	3.44	3.82	
48	225.40	2.87 5.58	Student	-1.83	-0.06	1.46	2.17	2.87	3.57	4.28	5.79	7.56	
	225.86	2.83 1.21	School	1.81	2.20	2.52	2.68	2.83	2.98	3.14	3.47	3.85	
50	226.30	2.85 5.58	Student	-1.85	-0.08	1.43	2.15	2.85	3.55	4.26	5.77	7.54	
	226.30	2.85 1.21	School	1.83	2.21	2.54	2.70	2.85	3.00	3.15	3.48	3.87	
52	227.20	2.83 5.58	Student	-1.87	-0.10	1.41	2.13	2.83	3.53	4.24	5.75	7.52	
	226.74	2.86 1.21	School	1.84	2.23	2.56	2.71	2.86	3.02	3.17	3.50	3.88	
55	228.54	2.80 5.58	Student	-1.90	-0.13	1.38	2.09	2.80	3.50	4.21	5.72	7.49	
	227.41	2.89 1.21	School	1.87	2.25	2.58	2.74	2.89	3.04	3.20	3.52	3.91	
60	230.82	2.74 5.58	Student	-1.95	-0.18	1.33	2.04	2.74	3.44	4.16	5.67	7.44	
	228.53	2.93 1.21	School	1.91	2.30	2.63	2.78	2.93	3.08	3.24	3.57	3.95	
65	233.18	2.69 5.58	Student	-2.00	-0.24	1.28	1.99	2.69	3.39	4.10	5.61	7.38	
	229.69	2.98 1.21	School	1.96	2.34	2.67	2.83	2.98	3.13	3.28	3.61	4.00	
70	235.66	2.63 5.58	Student	-2.06	-0.29	1.22	1.93	2.63	3.33	4.04	5.56	7.32	
	230.91	3.02 1.21	School	2.00	2.39	2.72	2.87	3.02	3.18	3.33	3.66	4.04	
75	238.34	2.57 5.58	Student	-2.12	-0.35	1.16	1.87	2.57	3.27	3.98	5.49	7.26	
	232.23	3.07 1.21	School	2.06	2.44	2.77	2.92	3.07	3.23	3.38	3.71	4.09	
80	241.32	2.50 5.58	Student	-2.19	-0.42	1.09	1.80	2.50	3.20	3.91	5.43	7.19	
	233.70	3.13 1.21	School	2.11	2.50	2.82	2.98	3.13	3.28	3.44	3.77	4.15	
85	244.80	2.42 5.58	Student	-2.27	-0.50	1.01	1.72	2.42	3.12	3.83	5.35	7.11	
	235.42	3.20 1.21	School	2.18	2.56	2.89	3.04	3.20	3.35	3.50	3.83	4.22	
90	249.18	2.32 5.58	Student	-2.37	-0.60	0.91	1.62	2.32	3.02	3.73	5.24	7.01	
	237.57	3.28 1.21	School	2.26	2.64	2.97	3.13	3.28	3.43	3.59	3.91	4.30	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.52: Mathematics Grade 8 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	205.68	1.63	5.04	Student	-2.62	-1.02	0.35	0.99	1.63	2.26	2.90	4.27	5.87	
	217.34	1.31	0.87	School	0.58	0.85	1.09	1.20	1.31	1.41	1.53	1.76	2.04	
20	213.74	1.68	5.04	Student	-2.57	-0.97	0.40	1.05	1.68	2.31	2.96	4.32	5.92	
	221.39	1.47	0.87	School	0.74	1.01	1.25	1.36	1.47	1.58	1.69	1.92	2.20	
25	216.80	1.70	5.04	Student	-2.55	-0.95	0.42	1.07	1.70	2.33	2.98	4.34	5.94	
	222.93	1.53	0.87	School	0.80	1.07	1.31	1.42	1.53	1.64	1.75	1.99	2.26	
30	219.55	1.72	5.04	Student	-2.53	-0.93	0.44	1.08	1.72	2.35	3.00	4.36	5.96	
	224.32	1.59	0.87	School	0.86	1.13	1.37	1.48	1.59	1.69	1.81	2.04	2.32	
35	222.09	1.73	5.04	Student	-2.51	-0.91	0.46	1.10	1.73	2.37	3.01	4.38	5.98	
	225.60	1.64	0.87	School	0.91	1.18	1.42	1.53	1.64	1.75	1.86	2.09	2.37	
40	224.51	1.75	5.04	Student	-2.50	-0.90	0.47	1.12	1.75	2.38	3.03	4.39	6.00	
	226.81	1.69	0.87	School	0.96	1.23	1.47	1.58	1.69	1.80	1.91	2.14	2.42	
45	226.85	1.76	5.04	Student	-2.48	-0.88	0.49	1.13	1.76	2.40	3.04	4.41	6.01	
	227.99	1.73	0.87	School	1.00	1.28	1.51	1.62	1.73	1.84	1.95	2.19	2.46	
48	228.23	1.77	5.04	Student	-2.47	-0.87	0.50	1.14	1.77	2.41	3.05	4.42	6.02	
	228.69	1.76	0.87	School	1.03	1.31	1.54	1.65	1.76	1.87	1.98	2.22	2.49	
50	229.15	1.78	5.04	Student	-2.47	-0.87	0.50	1.15	1.78	2.41	3.06	4.43	6.03	
	229.15	1.78	0.87	School	1.05	1.32	1.56	1.67	1.78	1.89	2.00	2.23	2.51	
52	230.07	1.79	5.04	Student	-2.46	-0.86	0.51	1.15	1.79	2.42	3.06	4.43	6.03	
	229.61	1.80	0.87	School	1.07	1.34	1.58	1.69	1.80	1.91	2.02	2.25	2.53	
55	231.45	1.79	5.04	Student	-2.45	-0.85	0.52	1.16	1.79	2.43	3.07	4.44	6.04	
	230.31	1.83	0.87	School	1.10	1.37	1.61	1.72	1.83	1.94	2.05	2.28	2.56	
60	233.79	1.81	5.04	Student	-2.44	-0.84	0.53	1.18	1.81	2.44	3.09	4.46	6.06	
	231.48	1.87	0.87	School	1.14	1.42	1.65	1.76	1.87	1.98	2.09	2.33	2.60	
65	236.20	1.83	5.04	Student	-2.42	-0.82	0.55	1.19	1.83	2.46	3.10	4.47	6.07	
	232.70	1.92	0.87	School	1.19	1.47	1.70	1.81	1.92	2.03	2.14	2.38	2.65	
70	238.75	1.84	5.04	Student	-2.40	-0.80	0.56	1.21	1.84	2.48	3.12	4.49	6.09	
	233.98	1.97	0.87	School	1.24	1.52	1.75	1.86	1.97	2.08	2.19	2.43	2.70	
75	241.50	1.86	5.04	Student	-2.39	-0.79	0.58	1.23	1.86	2.49	3.14	4.51	6.11	
	235.36	2.03	0.87	School	1.30	1.57	1.81	1.92	2.03	2.14	2.25	2.48	2.76	
80	244.56	1.88	5.04	Student	-2.37	-0.77	0.60	1.25	1.88	2.51	3.16	4.53	6.13	
	236.90	2.09	0.87	School	1.36	1.64	1.87	1.98	2.09	2.20	2.31	2.55	2.82	
85	248.12	1.90	5.04	Student	-2.34	-0.74	0.63	1.27	1.90	2.54	3.18	4.55	6.15	
	238.70	2.16	0.87	School	1.43	1.71	1.94	2.05	2.16	2.27	2.38	2.62	2.89	
90	252.61	1.93	5.04	Student	-2.31	-0.71	0.65	1.30	1.93	2.57	3.21	4.58	6.18	
	240.96	2.25	0.87	School	1.52	1.80	2.03	2.14	2.25	2.36	2.47	2.71	2.98	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.53: Mathematics Grade 9 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	204.78	5.37	7.06	Student	-0.57	1.67	3.58	4.48	5.37	6.26	7.16	9.07	11.31
	216.90	3.43	2.43	School	1.39	2.16	2.82	3.13	3.43	3.74	4.05	4.71	5.48
20	213.19	4.55	7.06	Student	-1.40	0.84	2.76	3.66	4.55	5.44	6.34	8.25	10.49
	221.15	3.28	2.43	School	1.23	2.00	2.66	2.97	3.28	3.58	3.89	4.55	5.32
25	216.38	4.24	7.06	Student	-1.71	0.53	2.45	3.35	4.24	5.12	6.03	7.94	10.18
	222.76	3.22	2.43	School	1.17	1.94	2.60	2.91	3.22	3.52	3.83	4.49	5.26
30	219.24	3.96	7.06	Student	-1.99	0.25	2.17	3.07	3.96	4.84	5.74	7.66	9.90
	224.20	3.16	2.43	School	1.12	1.89	2.55	2.86	3.16	3.47	3.78	4.44	5.21
35	221.90	3.70	7.06	Student	-2.25	-0.01	1.91	2.81	3.70	4.58	5.49	7.40	9.64
	225.54	3.11	2.43	School	1.07	1.84	2.50	2.81	3.11	3.42	3.73	4.39	5.16
40	224.42	3.45	7.06	Student	-2.49	-0.25	1.66	2.56	3.45	4.34	5.24	7.15	9.39
	226.82	3.07	2.43	School	1.02	1.79	2.45	2.76	3.07	3.37	3.68	4.34	5.11
45	226.86	3.21	7.06	Student	-2.73	-0.49	1.42	2.32	3.21	4.10	5.00	6.91	9.16
	228.05	3.02	2.43	School	0.97	1.75	2.41	2.72	3.02	3.33	3.64	4.30	5.07
48	228.30	3.07	7.06	Student	-2.87	-0.63	1.28	2.18	3.07	3.96	4.86	6.77	9.01
	228.78	2.99	2.43	School	0.95	1.72	2.38	2.69	2.99	3.30	3.61	4.27	5.04
50	229.26	2.98	7.06	Student	-2.97	-0.73	1.19	2.09	2.98	3.86	4.77	6.68	8.92
	229.26	2.98	2.43	School	0.93	1.70	2.36	2.67	2.98	3.28	3.59	4.25	5.02
52	230.22	2.88	7.06	Student	-3.06	-0.82	1.09	2.00	2.88	3.77	4.67	6.59	8.83
	229.74	2.96	2.43	School	0.91	1.68	2.34	2.65	2.96	3.26	3.58	4.23	5.01
55	231.66	2.74	7.06	Student	-3.20	-0.96	0.95	1.85	2.74	3.63	4.53	6.45	8.69
	230.47	2.93	2.43	School	0.88	1.66	2.32	2.63	2.93	3.24	3.55	4.21	4.98
60	234.10	2.50	7.06	Student	-3.44	-1.20	0.71	1.62	2.50	3.39	4.29	6.21	8.45
	231.70	2.89	2.43	School	0.84	1.61	2.27	2.58	2.89	3.19	3.50	4.16	4.93
65	236.62	2.26	7.06	Student	-3.69	-1.45	0.47	1.37	2.26	3.14	4.05	5.96	8.20
	232.97	2.84	2.43	School	0.79	1.56	2.22	2.53	2.84	3.14	3.46	4.12	4.89
70	239.27	2.00	7.06	Student	-3.95	-1.71	0.21	1.11	2.00	2.89	3.79	5.70	7.94
	234.31	2.79	2.43	School	0.74	1.51	2.17	2.48	2.79	3.10	3.41	4.07	4.84
75	242.14	1.72	7.06	Student	-4.23	-1.99	-0.07	0.83	1.72	2.60	3.51	5.42	7.66
	235.76	2.74	2.43	School	0.69	1.46	2.12	2.43	2.74	3.04	3.35	4.01	4.78
80	245.33	1.41	7.06	Student	-4.54	-2.30	-0.38	0.52	1.41	2.29	3.19	5.11	7.35
	237.37	2.68	2.43	School	0.63	1.40	2.06	2.37	2.68	2.98	3.29	3.95	4.72
85	249.05	1.04	7.06	Student	-4.90	-2.66	-0.75	0.15	1.04	1.93	2.83	4.75	6.99
	239.25	2.61	2.43	School	0.56	1.33	1.99	2.30	2.61	2.91	3.22	3.88	4.65
90	253.73	0.58	7.06	Student	-5.36	-3.12	-1.21	-0.30	0.58	1.47	2.37	4.29	6.53
	241.61	2.52	2.43	School	0.47	1.24	1.90	2.21	2.52	2.83	3.14	3.80	4.57

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.54: Mathematics Grade 9 From Last Spring To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	205.06	5.62	8.15	Student	-1.24	1.34	3.55	4.59	5.62	6.64	7.68	9.89	12.47
	217.77	3.32	2.93	School	0.85	1.78	2.57	2.95	3.32	3.68	4.06	4.85	5.78
20	213.92	4.55	8.15	Student	-2.30	0.28	2.49	3.53	4.55	5.58	6.62	8.82	11.41
	222.27	3.04	2.93	School	0.58	1.51	2.30	2.67	3.04	3.41	3.78	4.58	5.51
25	217.29	4.15	8.15	Student	-2.71	-0.12	2.08	3.12	4.15	5.17	6.21	8.42	11.00
	223.98	2.94	2.93	School	0.47	1.40	2.20	2.57	2.94	3.31	3.68	4.47	5.40
30	220.32	3.78	8.15	Student	-3.07	-0.49	1.72	2.76	3.78	4.81	5.85	8.06	10.64
	225.52	2.84	2.93	School	0.38	1.31	2.10	2.48	2.84	3.21	3.59	4.38	5.31
35	223.12	3.45	8.15	Student	-3.41	-0.82	1.38	2.42	3.45	4.47	5.51	7.72	10.30
	226.94	2.76	2.93	School	0.29	1.22	2.01	2.39	2.76	3.13	3.50	4.29	5.22
40	225.78	3.13	8.15	Student	-3.73	-1.14	1.07	2.11	3.13	4.15	5.19	7.40	9.99
	228.30	2.67	2.93	School	0.21	1.14	1.93	2.31	2.67	3.04	3.42	4.21	5.14
45	228.36	2.82	8.15	Student	-4.04	-1.45	0.76	1.80	2.82	3.84	4.88	7.09	9.68
	229.60	2.60	2.93	School	0.13	1.06	1.85	2.23	2.60	2.96	3.34	4.13	5.06
48	229.88	2.64	8.15	Student	-4.22	-1.63	0.57	1.61	2.64	3.66	4.70	6.91	9.49
	230.38	2.55	2.93	School	0.08	1.01	1.81	2.18	2.55	2.92	3.29	4.08	5.01
50	230.89	2.52	8.15	Student	-4.34	-1.76	0.45	1.49	2.52	3.54	4.58	6.79	9.37
	230.89	2.52	2.93	School	0.05	0.98	1.77	2.15	2.52	2.88	3.26	4.05	4.98
52	231.90	2.40	8.15	Student	-4.46	-1.88	0.33	1.37	2.40	3.42	4.46	6.67	9.25
	231.40	2.49	2.93	School	0.02	0.95	1.74	2.12	2.49	2.85	3.23	4.02	4.95
55	233.42	2.21	8.15	Student	-4.64	-2.06	0.15	1.19	2.21	3.24	4.28	6.48	9.07
	232.17	2.44	2.93	School	-0.03	0.90	1.70	2.07	2.44	2.81	3.18	3.97	4.90
60	236.00	1.90	8.15	Student	-4.95	-2.37	-0.16	0.88	1.90	2.93	3.97	6.18	8.76
	233.48	2.36	2.93	School	-0.11	0.82	1.62	1.99	2.36	2.73	3.10	3.89	4.82
65	238.66	1.58	8.15	Student	-5.27	-2.69	-0.48	0.56	1.58	2.61	3.65	5.86	8.44
	234.83	2.28	2.93	School	-0.19	0.74	1.53	1.91	2.28	2.64	3.02	3.81	4.74
70	241.46	1.25	8.15	Student	-5.61	-3.02	-0.82	0.22	1.25	2.27	3.31	5.52	8.10
	236.26	2.19	2.93	School	-0.28	0.65	1.45	1.82	2.19	2.56	2.93	3.73	4.65
75	244.48	0.89	8.15	Student	-5.97	-3.39	-1.18	-0.14	0.89	1.91	2.95	5.16	7.74
	237.79	2.10	2.93	School	-0.37	0.56	1.35	1.73	2.10	2.46	2.84	3.63	4.56
80	247.85	0.48	8.15	Student	-6.37	-3.79	-1.58	-0.54	0.48	1.51	2.55	4.75	7.34
	239.50	1.99	2.93	School	-0.47	0.45	1.25	1.62	1.99	2.36	2.73	3.53	4.46
85	251.78	0.01	8.15	Student	-6.85	-4.26	-2.05	-1.01	0.01	1.03	2.07	4.28	6.87
	241.50	1.87	2.93	School	-0.60	0.33	1.13	1.50	1.87	2.24	2.61	3.41	4.34
90	256.72	-0.58	8.15	Student	-7.44	-4.85	-2.65	-1.61	-0.58	0.44	1.48	3.69	6.27
	244.01	1.72	2.93	School	-0.75	0.18	0.97	1.35	1.72	2.08	2.46	3.25	4.18

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.55: Mathematics Grade 9 From Fall To N Fall Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		20	30	40	45	50	55	60	70	80	
10	207.03	2.54	7.38	Student	-3.67	-1.33	0.67	1.61	2.54	3.47	4.41	6.41	8.75	
	218.56	1.98	2.35	School	0.01	0.75	1.38	1.68	1.98	2.27	2.57	3.21	3.95	
20	215.01	2.49	7.38	Student	-3.72	-1.38	0.62	1.56	2.49	3.42	4.36	6.36	8.70	
	222.58	2.12	2.35	School	0.15	0.89	1.53	1.83	2.12	2.42	2.72	3.35	4.10	
25	218.04	2.47	7.38	Student	-3.73	-1.40	0.60	1.55	2.47	3.40	4.34	6.34	8.68	
	224.11	2.18	2.35	School	0.20	0.95	1.58	1.88	2.18	2.47	2.77	3.41	4.15	
30	220.76	2.46	7.38	Student	-3.75	-1.41	0.59	1.53	2.46	3.38	4.33	6.32	8.66	
	225.48	2.23	2.35	School	0.25	1.00	1.63	1.93	2.23	2.52	2.82	3.46	4.20	
35	223.29	2.44	7.38	Student	-3.77	-1.43	0.57	1.51	2.44	3.37	4.31	6.31	8.65	
	226.75	2.27	2.35	School	0.30	1.04	1.68	1.98	2.27	2.57	2.87	3.50	4.25	
40	225.68	2.43	7.38	Student	-3.78	-1.44	0.56	1.50	2.43	3.35	4.30	6.30	8.64	
	227.96	2.32	2.35	School	0.34	1.09	1.72	2.02	2.32	2.61	2.91	3.55	4.29	
45	227.99	2.41	7.38	Student	-3.79	-1.45	0.54	1.49	2.41	3.34	4.28	6.28	8.62	
	229.12	2.36	2.35	School	0.39	1.13	1.76	2.06	2.36	2.65	2.95	3.59	4.33	
48	229.36	2.41	7.38	Student	-3.80	-1.46	0.54	1.48	2.41	3.33	4.27	6.27	8.61	
	229.81	2.38	2.35	School	0.41	1.15	1.79	2.09	2.38	2.68	2.98	3.61	4.36	
50	230.27	2.40	7.38	Student	-3.81	-1.47	0.53	1.47	2.40	3.33	4.27	6.27	8.61	
	230.27	2.40	2.35	School	0.43	1.17	1.81	2.11	2.40	2.69	2.99	3.63	4.37	
52	231.18	2.39	7.38	Student	-3.81	-1.47	0.53	1.47	2.39	3.32	4.26	6.26	8.60	
	230.73	2.42	2.35	School	0.44	1.19	1.82	2.12	2.42	2.71	3.01	3.65	4.39	
55	232.55	2.39	7.38	Student	-3.82	-1.48	0.52	1.46	2.39	3.31	4.26	6.25	8.59	
	231.42	2.44	2.35	School	0.47	1.21	1.85	2.15	2.44	2.74	3.04	3.67	4.41	
60	234.87	2.37	7.38	Student	-3.83	-1.50	0.50	1.45	2.37	3.30	4.24	6.24	8.58	
	232.59	2.48	2.35	School	0.51	1.25	1.89	2.19	2.48	2.78	3.08	3.71	4.46	
65	237.26	2.36	7.38	Student	-3.85	-1.51	0.49	1.43	2.36	3.29	4.23	6.23	8.57	
	233.79	2.53	2.35	School	0.55	1.30	1.93	2.23	2.53	2.82	3.12	3.76	4.50	
70	239.78	2.34	7.38	Student	-3.86	-1.52	0.47	1.42	2.34	3.27	4.21	6.21	8.55	
	235.07	2.57	2.35	School	0.60	1.34	1.98	2.28	2.57	2.87	3.17	3.80	4.55	
75	242.50	2.33	7.38	Student	-3.88	-1.54	0.46	1.40	2.33	3.25	4.20	6.20	8.54	
	236.44	2.62	2.35	School	0.65	1.39	2.03	2.33	2.62	2.92	3.22	3.85	4.60	
80	245.53	2.31	7.38	Student	-3.90	-1.56	0.44	1.38	2.31	3.24	4.18	6.18	8.52	
	237.96	2.68	2.35	School	0.70	1.45	2.08	2.38	2.68	2.97	3.27	3.91	4.65	
85	249.07	2.29	7.38	Student	-3.92	-1.58	0.42	1.36	2.29	3.22	4.16	6.16	8.50	
	239.75	2.74	2.35	School	0.77	1.51	2.15	2.45	2.74	3.04	3.33	3.97	4.71	
90	253.51	2.26	7.38	Student	-3.95	-1.61	0.39	1.34	2.26	3.19	4.13	6.13	8.47	
	241.99	2.82	2.35	School	0.85	1.59	2.23	2.53	2.82	3.12	3.42	4.05	4.79	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.56: Mathematics Grade 9 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	207.03	3.63	8.14	Student	-3.21	-0.63	1.57	2.61	3.63	4.66	5.70	7.90	10.48
	218.56	2.31	2.29	School	0.38	1.11	1.73	2.02	2.31	2.60	2.89	3.51	4.23
20	215.01	3.46	8.14	Student	-3.39	-0.81	1.40	2.44	3.46	4.48	5.52	7.73	10.31
	222.58	2.59	2.29	School	0.66	1.39	2.01	2.30	2.59	2.88	3.17	3.79	4.52
25	218.04	3.40	8.14	Student	-3.45	-0.87	1.33	2.37	3.40	4.42	5.46	7.66	10.24
	224.11	2.70	2.29	School	0.77	1.50	2.12	2.41	2.70	2.99	3.28	3.90	4.63
30	220.76	3.34	8.14	Student	-3.51	-0.93	1.28	2.32	3.34	4.36	5.40	7.60	10.19
	225.48	2.80	2.29	School	0.87	1.59	2.22	2.51	2.80	3.08	3.38	4.00	4.72
35	223.29	3.28	8.14	Student	-3.57	-0.98	1.22	2.26	3.28	4.31	5.34	7.55	10.13
	226.75	2.88	2.29	School	0.96	1.68	2.30	2.60	2.88	3.17	3.46	4.09	4.81
40	225.68	3.23	8.14	Student	-3.62	-1.04	1.17	2.21	3.23	4.25	5.29	7.50	10.08
	227.96	2.97	2.29	School	1.04	1.77	2.39	2.68	2.97	3.26	3.55	4.17	4.90
45	227.99	3.18	8.14	Student	-3.67	-1.09	1.12	2.16	3.18	4.20	5.24	7.45	10.03
	229.12	3.05	2.29	School	1.12	1.85	2.47	2.76	3.05	3.34	3.63	4.25	4.98
48	229.36	3.15	8.14	Student	-3.70	-1.11	1.09	2.13	3.15	4.17	5.21	7.42	10.00
	229.81	3.10	2.29	School	1.17	1.90	2.52	2.81	3.10	3.39	3.68	4.30	5.03
50	230.27	3.13	8.14	Student	-3.72	-1.13	1.07	2.11	3.13	4.16	5.19	7.40	9.98
	230.27	3.13	2.29	School	1.21	1.93	2.55	2.85	3.13	3.42	3.71	4.33	5.06
52	231.18	3.11	8.14	Student	-3.74	-1.15	1.05	2.09	3.11	4.14	5.17	7.38	9.96
	230.73	3.16	2.29	School	1.24	1.96	2.58	2.88	3.16	3.45	3.75	4.37	5.09
55	232.55	3.08	8.14	Student	-3.76	-1.18	1.02	2.06	3.08	4.11	5.15	7.35	9.93
	231.42	3.21	2.29	School	1.29	2.01	2.63	2.93	3.21	3.50	3.79	4.41	5.14
60	234.87	3.03	8.14	Student	-3.81	-1.23	0.97	2.01	3.03	4.06	5.10	7.30	9.88
	232.59	3.30	2.29	School	1.37	2.10	2.72	3.01	3.30	3.58	3.88	4.50	5.22
65	237.26	2.98	8.14	Student	-3.87	-1.29	0.92	1.96	2.98	4.00	5.04	7.25	9.83
	233.79	3.38	2.29	School	1.45	2.18	2.80	3.09	3.38	3.67	3.96	4.58	5.31
70	239.78	2.93	8.14	Student	-3.92	-1.34	0.87	1.91	2.93	3.95	4.99	7.19	9.78
	235.07	3.47	2.29	School	1.54	2.27	2.89	3.18	3.47	3.76	4.05	4.67	5.40
75	242.50	2.87	8.14	Student	-3.98	-1.40	0.81	1.85	2.87	3.89	4.93	7.14	9.72
	236.44	3.57	2.29	School	1.64	2.37	2.99	3.28	3.57	3.85	4.15	4.77	5.49
80	245.53	2.80	8.14	Student	-4.04	-1.46	0.74	1.78	2.80	3.83	4.87	7.07	9.65
	237.96	3.67	2.29	School	1.75	2.47	3.09	3.39	3.67	3.96	4.25	4.88	5.60
85	249.07	2.73	8.14	Student	-4.12	-1.54	0.67	1.70	2.73	3.75	4.79	6.99	9.58
	239.75	3.80	2.29	School	1.87	2.60	3.22	3.51	3.80	4.09	4.38	5.00	5.73
90	253.51	2.63	8.14	Student	-4.22	-1.64	0.57	1.61	2.63	3.65	4.69	6.90	9.48
	241.99	3.96	2.29	School	2.03	2.76	3.38	3.67	3.96	4.25	4.54	5.16	5.88

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.57: Mathematics Grade 9 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20	30	40	45	50	55	60	70	80	
10	207.03	2.52	5.80	Student	-2.36	-0.52	1.05	1.79	2.52	3.25	3.99	5.56	7.40	
	218.56	1.49	1.31	School	0.39	0.81	1.16	1.33	1.49	1.66	1.82	2.18	2.59	
20	215.01	2.33	5.80	Student	-2.55	-0.71	0.86	1.60	2.33	3.06	3.80	5.37	7.21	
	222.58	1.65	1.31	School	0.55	0.97	1.32	1.49	1.65	1.82	1.98	2.34	2.75	
25	218.04	2.26	5.80	Student	-2.62	-0.78	0.79	1.53	2.26	2.99	3.73	5.30	7.14	
	224.11	1.71	1.31	School	0.61	1.03	1.38	1.55	1.71	1.88	2.05	2.40	2.82	
30	220.76	2.19	5.80	Student	-2.69	-0.85	0.72	1.46	2.19	2.92	3.66	5.23	7.07	
	225.48	1.77	1.31	School	0.67	1.08	1.44	1.61	1.77	1.93	2.10	2.46	2.87	
35	223.29	2.13	5.80	Student	-2.75	-0.91	0.66	1.40	2.13	2.86	3.60	5.17	7.01	
	226.75	1.82	1.31	School	0.72	1.13	1.49	1.66	1.82	1.99	2.15	2.51	2.92	
40	225.68	2.07	5.80	Student	-2.81	-0.97	0.60	1.34	2.07	2.80	3.54	5.11	6.95	
	227.96	1.87	1.31	School	0.77	1.18	1.54	1.71	1.87	2.03	2.20	2.56	2.97	
45	227.99	2.02	5.80	Student	-2.86	-1.02	0.55	1.29	2.02	2.75	3.49	5.06	6.90	
	229.12	1.92	1.31	School	0.81	1.23	1.58	1.75	1.92	2.08	2.25	2.60	3.02	
48	229.36	1.98	5.80	Student	-2.89	-1.06	0.52	1.26	1.98	2.71	3.45	5.02	6.86	
	229.81	1.94	1.31	School	0.84	1.26	1.61	1.78	1.94	2.11	2.28	2.63	3.05	
50	230.27	1.96	5.80	Student	-2.92	-1.08	0.49	1.23	1.96	2.69	3.43	5.00	6.84	
	230.27	1.96	1.31	School	0.86	1.28	1.63	1.80	1.96	2.13	2.29	2.65	3.06	
52	231.18	1.94	5.80	Student	-2.94	-1.10	0.47	1.21	1.94	2.67	3.41	4.98	6.82	
	230.73	1.98	1.31	School	0.88	1.29	1.65	1.82	1.98	2.15	2.31	2.67	3.08	
55	232.55	1.91	5.80	Student	-2.97	-1.13	0.44	1.18	1.91	2.64	3.38	4.95	6.79	
	231.42	2.01	1.31	School	0.91	1.32	1.68	1.84	2.01	2.17	2.34	2.70	3.11	
60	234.87	1.85	5.80	Student	-3.03	-1.19	0.38	1.12	1.85	2.58	3.32	4.89	6.73	
	232.59	2.06	1.31	School	0.95	1.37	1.72	1.89	2.06	2.22	2.39	2.74	3.16	
65	237.26	1.79	5.80	Student	-3.08	-1.25	0.33	1.07	1.79	2.52	3.26	4.83	6.67	
	233.79	2.10	1.31	School	1.00	1.42	1.77	1.94	2.10	2.27	2.44	2.79	3.21	
70	239.78	1.73	5.80	Student	-3.14	-1.31	0.27	1.01	1.73	2.46	3.20	4.77	6.61	
	235.07	2.16	1.31	School	1.05	1.47	1.82	1.99	2.16	2.32	2.49	2.84	3.26	
75	242.50	1.67	5.80	Student	-3.21	-1.37	0.20	0.94	1.67	2.40	3.14	4.71	6.55	
	236.44	2.21	1.31	School	1.11	1.52	1.88	2.05	2.21	2.38	2.54	2.90	3.31	
80	245.53	1.60	5.80	Student	-3.28	-1.44	0.13	0.87	1.60	2.32	3.06	4.64	6.47	
	237.96	2.27	1.31	School	1.17	1.59	1.94	2.11	2.27	2.44	2.60	2.96	3.37	
85	249.07	1.51	5.80	Student	-3.37	-1.53	0.04	0.78	1.51	2.24	2.98	4.55	6.39	
	239.75	2.34	1.31	School	1.24	1.66	2.01	2.18	2.34	2.51	2.68	3.03	3.45	
90	253.51	1.40	5.80	Student	-3.47	-1.64	-0.06	0.68	1.40	2.13	2.87	4.44	6.28	
	241.99	2.43	1.31	School	1.33	1.75	2.10	2.27	2.43	2.60	2.77	3.12	3.54	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.58: Mathematics Grade 9 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	208.37 219.94	0.92 0.65 0.94	5.18	Student School	-3.44 -0.14	-1.80 0.16	-0.39 0.41	0.27 0.53	0.92 0.65	1.57 0.77	2.23 0.89	3.64 1.14	5.28 1.44
20	216.56 224.16	1.00 0.83 0.94	5.18	Student School	-3.36 0.04	-1.71 0.34	-0.31 0.59	0.35 0.71	1.00 0.83	1.66 0.95	2.32 1.06	3.72 1.32	5.37 1.62
25	219.67 225.76	1.04 0.90 0.94	5.18	Student School	-3.32 0.11	-1.68 0.40	-0.28 0.66	0.39 0.78	1.04 0.90	1.69 1.01	2.35 1.13	3.75 1.39	5.40 1.68
30	222.47 227.20	1.07 0.96 0.94	5.18	Student School	-3.29 0.17	-1.65 0.47	-0.25 0.72	0.42 0.84	1.07 0.96	1.72 1.07	2.38 1.19	3.78 1.45	5.43 1.74
35	225.06 228.54	1.09 1.01 0.94	5.18	Student School	-3.27 0.23	-1.62 0.52	-0.22 0.78	0.44 0.90	1.09 1.01	1.75 1.13	2.41 1.25	3.81 1.50	5.46 1.80
40	227.52 229.80	1.12 1.07 0.94	5.18	Student School	-3.24 0.28	-1.60 0.58	-0.19 0.83	0.47 0.95	1.12 1.07	1.77 1.18	2.43 1.30	3.84 1.56	5.48 1.85
45	229.90 231.03	1.15 1.12 0.94	5.18	Student School	-3.22 0.33	-1.57 0.63	-0.17 0.88	0.49 1.00	1.15 1.12	1.80 1.24	2.46 1.36	3.86 1.61	5.51 1.91
48	231.30 231.75	1.16 1.15 0.94	5.18	Student School	-3.20 0.36	-1.56 0.66	-0.15 0.91	0.51 1.03	1.16 1.15	1.81 1.27	2.47 1.39	3.88 1.64	5.52 1.94
50	232.24 232.24	1.17 1.17 0.94	5.18	Student School	-3.19 0.38	-1.55 0.68	-0.14 0.93	0.52 1.05	1.17 1.17	1.82 1.29	2.48 1.41	3.89 1.66	5.53 1.96
52	233.17 232.72	1.18 1.19 0.94	5.18	Student School	-3.18 0.40	-1.54 0.70	-0.13 0.95	0.53 1.07	1.18 1.19	1.83 1.31	2.49 1.43	3.90 1.68	5.54 1.98
55	234.58 233.44	1.19 1.22 0.94	5.18	Student School	-3.17 0.43	-1.52 0.73	-0.12 0.98	0.54 1.10	1.19 1.22	1.85 1.34	2.51 1.46	3.91 1.71	5.56 2.01
60	236.95 234.67	1.22 1.27 0.94	5.18	Student School	-3.14 0.49	-1.50 0.78	-0.09 1.04	0.57 1.16	1.22 1.27	1.87 1.39	2.53 1.51	3.94 1.76	5.58 2.06
65	239.41 235.93	1.25 1.33 0.94	5.18	Student School	-3.12 0.54	-1.47 0.84	-0.07 1.09	0.59 1.21	1.25 1.33	1.90 1.44	2.56 1.56	3.96 1.82	5.61 2.11
70	242.00 237.27	1.27 1.38 0.94	5.18	Student School	-3.09 0.60	-1.44 0.89	-0.04 1.15	0.62 1.27	1.27 1.38	1.92 1.50	2.59 1.62	3.99 1.87	5.63 2.17
75	244.80 238.71	1.30 1.44 0.94	5.18	Student School	-3.06 0.66	-1.41 0.95	-0.01 1.21	0.65 1.33	1.30 1.44	1.95 1.56	2.62 1.68	4.02 1.94	5.66 2.23
80	247.91 240.31	1.34 1.51 0.94	5.18	Student School	-3.03 0.72	-1.38 1.02	0.02 1.28	0.68 1.39	1.34 1.51	1.99 1.63	2.65 1.75	4.05 2.00	5.70 2.30
85	251.54 242.18	1.37 1.59 0.94	5.18	Student School	-2.99 0.80	-1.34 1.10	0.06 1.35	0.72 1.47	1.37 1.59	2.02 1.71	2.69 1.83	4.09 2.08	5.73 2.38
90	256.10 244.53	1.42 1.69 0.94	5.18	Student School	-2.94 0.90	-1.30 1.20	0.11 1.45	0.77 1.57	1.42 1.69	2.07 1.81	2.73 1.93	4.14 2.18	5.78 2.48

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.59: Mathematics Grade 10 From Last Winter To Winter Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		20	30	40	45	50	55	60	70	80	
10	204.04	3.43	6.95	Student	-2.42	-0.22	1.67	2.55	3.43	4.30	5.19	7.07	9.28	
	216.05	2.45	2.05	School	0.72	1.37	1.93	2.19	2.45	2.71	2.97	3.53	4.18	
20	212.70	3.02	6.95	Student	-2.83	-0.62	1.26	2.15	3.02	3.90	4.78	6.67	8.87	
	220.59	2.38	2.05	School	0.65	1.30	1.86	2.12	2.38	2.64	2.90	3.46	4.11	
25	215.99	2.87	6.95	Student	-2.98	-0.78	1.11	2.00	2.87	3.74	4.63	6.51	8.72	
	222.31	2.35	2.05	School	0.63	1.28	1.83	2.10	2.35	2.61	2.87	3.43	4.08	
30	218.94	2.73	6.95	Student	-3.12	-0.91	0.97	1.86	2.73	3.60	4.49	6.37	8.58	
	223.86	2.33	2.05	School	0.60	1.25	1.81	2.07	2.33	2.59	2.85	3.41	4.06	
35	221.68	2.60	6.95	Student	-3.25	-1.04	0.84	1.73	2.60	3.48	4.36	6.25	8.45	
	225.29	2.31	2.05	School	0.58	1.23	1.79	2.05	2.31	2.57	2.83	3.38	4.03	
40	224.28	2.48	6.95	Student	-3.37	-1.16	0.72	1.61	2.48	3.35	4.24	6.12	8.33	
	226.65	2.29	2.05	School	0.56	1.21	1.77	2.03	2.29	2.54	2.81	3.36	4.01	
45	226.79	2.36	6.95	Student	-3.49	-1.28	0.60	1.49	2.36	3.24	4.12	6.01	8.21	
	227.97	2.27	2.05	School	0.54	1.19	1.75	2.01	2.27	2.52	2.79	3.34	3.99	
48	228.28	2.29	6.95	Student	-3.56	-1.35	0.53	1.42	2.29	3.17	4.05	5.94	8.14	
	228.75	2.25	2.05	School	0.53	1.18	1.74	2.00	2.25	2.51	2.77	3.33	3.98	
50	229.27	2.25	6.95	Student	-3.60	-1.40	0.49	1.37	2.25	3.12	4.01	5.89	8.10	
	229.27	2.25	2.05	School	0.52	1.17	1.73	1.99	2.25	2.50	2.77	3.32	3.97	
52	230.26	2.20	6.95	Student	-3.65	-1.44	0.44	1.33	2.20	3.07	3.96	5.84	8.05	
	229.79	2.24	2.05	School	0.51	1.16	1.72	1.98	2.24	2.50	2.76	3.31	3.96	
55	231.74	2.13	6.95	Student	-3.72	-1.51	0.37	1.26	2.13	3.00	3.89	5.78	7.98	
	230.57	2.23	2.05	School	0.50	1.15	1.71	1.97	2.23	2.48	2.75	3.30	3.95	
60	234.26	2.01	6.95	Student	-3.84	-1.63	0.25	1.14	2.01	2.89	3.77	5.66	7.86	
	231.88	2.21	2.05	School	0.48	1.13	1.69	1.95	2.21	2.46	2.73	3.28	3.93	
65	236.85	1.89	6.95	Student	-3.96	-1.75	0.13	1.02	1.89	2.76	3.65	5.54	7.74	
	233.24	2.19	2.05	School	0.46	1.11	1.67	1.93	2.19	2.44	2.71	3.26	3.91	
70	239.59	1.76	6.95	Student	-4.09	-1.88	0.00	0.89	1.76	2.64	3.52	5.41	7.61	
	234.68	2.16	2.05	School	0.44	1.09	1.64	1.91	2.16	2.42	2.68	3.24	3.89	
75	242.55	1.63	6.95	Student	-4.22	-2.02	-0.14	0.75	1.63	2.50	3.39	5.27	7.47	
	236.23	2.14	2.05	School	0.41	1.06	1.62	1.88	2.14	2.40	2.66	3.22	3.87	
80	245.84	1.47	6.95	Student	-4.38	-2.17	-0.29	0.60	1.47	2.34	3.23	5.12	7.32	
	237.95	2.11	2.05	School	0.39	1.04	1.59	1.86	2.11	2.37	2.63	3.19	3.84	
85	249.67	1.29	6.95	Student	-4.56	-2.35	-0.47	0.42	1.29	2.16	3.05	4.94	7.14	
	239.96	2.08	2.05	School	0.36	1.01	1.56	1.83	2.08	2.34	2.60	3.16	3.81	
90	254.50	1.07	6.95	Student	-4.78	-2.58	-0.69	0.19	1.07	1.94	2.83	4.71	6.91	
	242.49	2.04	2.05	School	0.32	0.97	1.52	1.79	2.04	2.30	2.56	3.12	3.77	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.60: Mathematics Grade 10 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20	30	40	45	50	55	60	70	80	
10	203.72	4.27	8.79	Student	-3.13	-0.34	2.04	3.16	4.27	5.38	6.50	8.88	11.67	
	216.49	2.56	2.70	School	0.29	1.15	1.88	2.22	2.56	2.90	3.25	3.98	4.83	
20	212.82	3.54	8.79	Student	-3.86	-1.07	1.31	2.43	3.54	4.64	5.77	8.15	10.94	
	221.21	2.42	2.70	School	0.15	1.00	1.73	2.08	2.42	2.76	3.10	3.83	4.69	
25	216.27	3.26	8.79	Student	-4.14	-1.35	1.03	2.16	3.26	4.37	5.49	7.87	10.66	
	223.00	2.36	2.70	School	0.09	0.95	1.68	2.02	2.36	2.70	3.05	3.78	4.63	
30	219.38	3.01	8.79	Student	-4.39	-1.60	0.78	1.91	3.01	4.12	5.24	7.62	10.41	
	224.61	2.31	2.70	School	0.04	0.90	1.63	1.97	2.31	2.65	3.00	3.73	4.58	
35	222.26	2.78	8.79	Student	-4.62	-1.83	0.55	1.68	2.78	3.89	5.01	7.39	10.18	
	226.10	2.27	2.70	School	-0.00	0.85	1.58	1.93	2.27	2.61	2.95	3.68	4.54	
40	224.99	2.56	8.79	Student	-4.84	-2.05	0.33	1.46	2.56	3.67	4.79	7.17	9.96	
	227.51	2.22	2.70	School	-0.05	0.81	1.54	1.88	2.22	2.56	2.91	3.64	4.50	
45	227.63	2.35	8.79	Student	-5.05	-2.26	0.12	1.24	2.35	3.45	4.58	6.96	9.75	
	228.88	2.18	2.70	School	-0.09	0.77	1.50	1.84	2.18	2.52	2.86	3.60	4.45	
48	229.19	2.22	8.79	Student	-5.18	-2.39	-0.00	1.12	2.22	3.33	4.45	6.83	9.62	
	229.69	2.16	2.70	School	-0.12	0.74	1.47	1.82	2.16	2.50	2.84	3.57	4.43	
50	230.23	2.14	8.79	Student	-5.26	-2.47	-0.09	1.03	2.14	3.24	4.37	6.75	9.54	
	230.23	2.14	2.70	School	-0.13	0.72	1.46	1.80	2.14	2.48	2.82	3.56	4.41	
52	231.26	2.06	8.79	Student	-5.34	-2.56	-0.17	0.95	2.06	3.16	4.28	6.67	9.46	
	230.76	2.12	2.70	School	-0.15	0.71	1.44	1.78	2.12	2.46	2.81	3.54	4.39	
55	232.82	1.93	8.79	Student	-5.47	-2.68	-0.30	0.83	1.93	3.04	4.16	6.54	9.33	
	231.57	2.10	2.70	School	-0.17	0.68	1.41	1.76	2.10	2.44	2.78	3.51	4.37	
60	235.47	1.72	8.79	Student	-5.68	-2.89	-0.51	0.61	1.72	2.82	3.95	6.33	9.12	
	232.94	2.06	2.70	School	-0.22	0.64	1.37	1.72	2.06	2.40	2.74	3.47	4.33	
65	238.20	1.50	8.79	Student	-5.90	-3.11	-0.73	0.39	1.50	2.60	3.73	6.11	8.90	
	234.35	2.01	2.70	School	-0.26	0.60	1.33	1.67	2.01	2.35	2.70	3.43	4.28	
70	241.07	1.27	8.79	Student	-6.13	-3.34	-0.96	0.16	1.27	2.37	3.50	5.88	8.67	
	235.85	1.97	2.70	School	-0.31	0.55	1.28	1.63	1.97	2.31	2.65	3.38	4.24	
75	244.18	1.02	8.79	Student	-6.38	-3.59	-1.21	-0.09	1.02	2.12	3.25	5.63	8.42	
	237.45	1.92	2.70	School	-0.35	0.50	1.23	1.58	1.92	2.26	2.60	3.33	4.19	
80	247.63	0.74	8.79	Student	-6.66	-3.87	-1.49	-0.36	0.74	1.85	2.97	5.35	8.14	
	239.24	1.86	2.70	School	-0.41	0.45	1.18	1.52	1.86	2.20	2.55	3.28	4.13	
85	251.66	0.42	8.79	Student	-6.98	-4.19	-1.81	-0.69	0.42	1.52	2.64	5.03	7.82	
	241.33	1.80	2.70	School	-0.47	0.38	1.11	1.46	1.80	2.14	2.48	3.21	4.07	
90	256.73	0.01	8.79	Student	-7.39	-4.60	-2.22	-1.10	0.01	1.11	2.24	4.62	7.41	
	243.96	1.72	2.70	School	-0.56	0.30	1.03	1.38	1.72	2.06	2.40	3.13	3.99	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.61: Mathematics Grade 10 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	204.94 217.17	1.09 1.65	7.73 2.20	Student School	-5.42 -0.21	-2.96 0.49	-0.87 1.09	0.12 1.37	1.09 1.65	2.06 1.92	3.05 2.20	5.14 2.80	7.60 3.50
20	213.56 221.59	1.40 1.77	7.73 2.20	Student School	-5.10 -0.09	-2.65 0.61	-0.56 1.21	0.43 1.49	1.40 1.77	2.37 2.04	3.36 2.32	5.46 2.92	7.91 3.62
25	216.84 223.27	1.52 1.81	7.73 2.20	Student School	-4.99 -0.04	-2.53 0.66	-0.44 1.25	0.55 1.54	1.52 1.81	2.49 2.09	3.48 2.37	5.57 2.97	8.03 3.67
30	219.78 224.78	1.63 1.85	7.73 2.20	Student School	-4.88 0.00	-2.43 0.70	-0.33 1.30	0.66 1.58	1.63 1.85	2.60 2.13	3.59 2.41	5.68 3.01	8.13 3.71
35	222.50 226.18	1.73 1.89	7.73 2.20	Student School	-4.78 0.04	-2.33 0.74	-0.23 1.33	0.75 1.62	1.73 1.89	2.70 2.17	3.68 2.45	5.78 3.05	8.23 3.75
40	225.09 227.51	1.82 1.93	7.73 2.20	Student School	-4.69 0.07	-2.24 0.77	-0.14 1.37	0.85 1.65	1.82 1.93	2.79 2.20	3.78 2.49	5.87 3.08	8.32 3.78
45	227.59 228.79	1.91 1.96	7.73 2.20	Student School	-4.60 0.11	-2.15 0.81	-0.05 1.41	0.94 1.69	1.91 1.96	2.88 2.24	3.87 2.52	5.96 3.12	8.42 3.82
48	229.07 229.55	1.96 1.98	7.73 2.20	Student School	-4.54 0.13	-2.09 0.83	0.00 1.43	0.99 1.71	1.96 1.98	2.93 2.26	3.92 2.54	6.02 3.14	8.47 3.84
50	230.06 230.06	2.00 2.00	7.73 2.20	Student School	-4.51 0.14	-2.06 0.84	0.04 1.44	1.03 1.72	2.00 2.00	2.97 2.27	3.96 2.56	6.05 3.15	8.50 3.85
52	231.04 230.56	2.03 2.01	7.73 2.20	Student School	-4.47 0.16	-2.02 0.86	0.07 1.45	1.06 1.73	2.03 2.01	3.00 2.29	3.99 2.57	6.09 3.17	8.54 3.87
55	232.52 231.32	2.09 2.03	7.73 2.20	Student School	-4.42 0.18	-1.97 0.88	0.13 1.47	1.12 1.76	2.09 2.03	3.06 2.31	4.05 2.59	6.14 3.19	8.59 3.89
60	235.02 232.60	2.18 2.07	7.73 2.20	Student School	-4.33 0.21	-1.88 0.91	0.22 1.51	1.21 1.79	2.18 2.07	3.15 2.34	4.14 2.63	6.23 3.22	8.68 3.92
65	237.61 233.93	2.27 2.10	7.73 2.20	Student School	-4.24 0.25	-1.78 0.95	0.31 1.55	1.30 1.83	2.27 2.10	3.24 2.38	4.23 2.66	6.32 3.26	8.78 3.96
70	240.33 235.33	2.37 2.14	7.73 2.20	Student School	-4.14 0.29	-1.68 0.99	0.41 1.58	1.40 1.87	2.37 2.14	3.34 2.42	4.33 2.70	6.42 3.30	8.88 4.00
75	243.27 236.84	2.48 2.18	7.73 2.20	Student School	-4.03 0.33	-1.58 1.03	0.52 1.63	1.50 1.91	2.48 2.18	3.45 2.46	4.43 2.74	6.53 3.34	8.98 4.04
80	246.55 238.52	2.59 2.23	7.73 2.20	Student School	-3.91 0.38	-1.46 1.07	0.64 1.67	1.62 1.95	2.59 2.23	3.57 2.51	4.55 2.79	6.65 3.38	9.10 4.08
85	250.37 240.48	2.73 2.28	7.73 2.20	Student School	-3.77 0.43	-1.32 1.13	0.77 1.72	1.76 2.01	2.73 2.28	3.70 2.56	4.69 2.84	6.79 3.44	9.24 4.14
90	255.17 242.94	2.91 2.35	7.73 2.20	Student School	-3.60 0.50	-1.15 1.20	0.95 1.79	1.93 2.07	2.91 2.35	3.88 2.63	4.86 2.91	6.96 3.50	9.41 4.20

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.62: Mathematics Grade 10 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	204.94	3.11	8.90	Student	-4.38	-1.56	0.86	1.99	3.11	4.23	5.37	7.78	10.61
	217.17	1.87	2.65	School	-0.36	0.48	1.20	1.54	1.87	2.20	2.54	3.26	4.10
20	213.56	2.84	8.90	Student	-4.66	-1.83	0.58	1.72	2.84	3.96	5.09	7.51	10.33
	221.59	2.02	2.65	School	-0.21	0.63	1.35	1.69	2.02	2.36	2.69	3.41	4.25
25	216.84	2.73	8.90	Student	-4.76	-1.94	0.48	1.61	2.73	3.85	4.99	7.40	10.22
	223.27	2.08	2.65	School	-0.15	0.69	1.41	1.75	2.08	2.41	2.75	3.47	4.31
30	219.78	2.64	8.90	Student	-4.85	-2.03	0.38	1.52	2.64	3.76	4.89	7.31	10.13
	224.78	2.13	2.65	School	-0.10	0.74	1.46	1.80	2.13	2.46	2.80	3.52	4.36
35	222.50	2.55	8.90	Student	-4.94	-2.12	0.30	1.43	2.55	3.67	4.81	7.22	10.04
	226.18	2.18	2.65	School	-0.05	0.79	1.51	1.85	2.18	2.51	2.85	3.57	4.41
40	225.09	2.47	8.90	Student	-5.02	-2.20	0.21	1.35	2.47	3.59	4.72	7.14	9.96
	227.51	2.22	2.65	School	-0.01	0.83	1.55	1.89	2.22	2.56	2.89	3.61	4.45
45	227.59	2.39	8.90	Student	-5.10	-2.28	0.13	1.27	2.39	3.51	4.64	7.06	9.88
	228.79	2.27	2.65	School	0.04	0.88	1.60	1.93	2.27	2.60	2.94	3.66	4.50
48	229.07	2.34	8.90	Student	-5.15	-2.33	0.09	1.22	2.34	3.46	4.60	7.01	9.83
	229.55	2.29	2.65	School	0.06	0.90	1.62	1.96	2.29	2.63	2.96	3.68	4.52
50	230.06	2.31	8.90	Student	-5.18	-2.36	0.05	1.19	2.31	3.43	4.56	6.98	9.80
	230.06	2.31	2.65	School	0.08	0.92	1.64	1.98	2.31	2.64	2.98	3.70	4.54
52	231.04	2.28	8.90	Student	-5.21	-2.39	0.02	1.16	2.28	3.40	4.53	6.95	9.77
	230.56	2.33	2.65	School	0.10	0.94	1.66	1.99	2.33	2.66	3.00	3.72	4.56
55	232.52	2.23	8.90	Student	-5.26	-2.44	-0.02	1.11	2.23	3.35	4.49	6.90	9.72
	231.32	2.35	2.65	School	0.12	0.96	1.68	2.02	2.35	2.69	3.02	3.74	4.58
60	235.02	2.15	8.90	Student	-5.34	-2.52	-0.10	1.03	2.15	3.27	4.41	6.82	9.64
	232.60	2.40	2.65	School	0.17	1.01	1.72	2.06	2.40	2.73	3.07	3.78	4.62
65	237.61	2.07	8.90	Student	-5.42	-2.60	-0.19	0.95	2.07	3.19	4.32	6.74	9.56
	233.93	2.44	2.65	School	0.21	1.05	1.77	2.11	2.44	2.77	3.11	3.83	4.67
70	240.33	1.98	8.90	Student	-5.51	-2.69	-0.27	0.86	1.98	3.10	4.24	6.65	9.47
	235.33	2.49	2.65	School	0.26	1.10	1.82	2.16	2.49	2.82	3.16	3.88	4.72
75	243.27	1.89	8.90	Student	-5.61	-2.78	-0.37	0.77	1.89	3.01	4.14	6.56	9.38
	236.84	2.54	2.65	School	0.31	1.15	1.87	2.21	2.54	2.87	3.21	3.93	4.77
80	246.55	1.78	8.90	Student	-5.71	-2.89	-0.47	0.66	1.78	2.90	4.04	6.45	9.27
	238.52	2.60	2.65	School	0.37	1.21	1.93	2.26	2.60	2.93	3.27	3.99	4.83
85	250.37	1.66	8.90	Student	-5.83	-3.01	-0.60	0.54	1.66	2.78	3.92	6.33	9.15
	240.48	2.66	2.65	School	0.43	1.27	1.99	2.33	2.66	3.00	3.33	4.05	4.89
90	255.17	1.51	8.90	Student	-5.99	-3.16	-0.75	0.39	1.51	2.63	3.76	6.18	9.00
	242.94	2.75	2.65	School	0.52	1.36	2.08	2.41	2.75	3.08	3.42	4.14	4.98

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.63: Mathematics Grade 10 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	204.94	2.17	6.15	Student	-3.01	-1.05	0.61	1.40	2.17	2.94	3.73	5.40	7.35	
	217.17	1.21	1.51	School	-0.06	0.42	0.83	1.02	1.21	1.40	1.59	2.00	2.48	
20	213.56	1.93	6.15	Student	-3.25	-1.30	0.37	1.15	1.93	2.70	3.48	5.15	7.10	
	221.59	1.30	1.51	School	0.02	0.50	0.91	1.11	1.30	1.49	1.68	2.09	2.57	
25	216.84	1.83	6.15	Student	-3.34	-1.39	0.28	1.06	1.83	2.61	3.39	5.06	7.01	
	223.27	1.33	1.51	School	0.05	0.53	0.94	1.14	1.33	1.52	1.71	2.12	2.60	
30	219.78	1.75	6.15	Student	-3.43	-1.47	0.19	0.98	1.75	2.52	3.31	4.98	6.93	
	224.78	1.36	1.51	School	0.08	0.56	0.97	1.17	1.36	1.55	1.74	2.15	2.63	
35	222.50	1.67	6.15	Student	-3.50	-1.55	0.12	0.90	1.67	2.45	3.23	4.90	6.85	
	226.18	1.38	1.51	School	0.11	0.59	1.00	1.19	1.38	1.57	1.77	2.18	2.66	
40	225.09	1.60	6.15	Student	-3.58	-1.62	0.04	0.83	1.60	2.37	3.16	4.83	6.78	
	227.51	1.41	1.51	School	0.14	0.62	1.03	1.22	1.41	1.60	1.79	2.20	2.68	
45	227.59	1.53	6.15	Student	-3.65	-1.70	-0.03	0.76	1.53	2.30	3.09	4.75	6.71	
	228.79	1.44	1.51	School	0.16	0.64	1.05	1.24	1.44	1.63	1.82	2.23	2.71	
48	229.07	1.49	6.15	Student	-3.69	-1.74	-0.07	0.71	1.49	2.26	3.05	4.71	6.66	
	229.55	1.45	1.51	School	0.18	0.66	1.07	1.26	1.45	1.64	1.83	2.24	2.72	
50	230.06	1.46	6.15	Student	-3.72	-1.77	-0.10	0.69	1.46	2.23	3.02	4.68	6.64	
	230.06	1.46	1.51	School	0.19	0.67	1.08	1.27	1.46	1.65	1.84	2.25	2.73	
52	231.04	1.43	6.15	Student	-3.74	-1.79	-0.13	0.66	1.43	2.20	2.99	4.66	6.61	
	230.56	1.47	1.51	School	0.20	0.68	1.09	1.28	1.47	1.66	1.85	2.26	2.74	
55	232.52	1.39	6.15	Student	-3.79	-1.84	-0.17	0.62	1.39	2.16	2.95	4.62	6.57	
	231.32	1.48	1.51	School	0.21	0.69	1.10	1.29	1.48	1.67	1.87	2.28	2.76	
60	235.02	1.32	6.15	Student	-3.86	-1.91	-0.24	0.55	1.32	2.09	2.88	4.54	6.50	
	232.60	1.51	1.51	School	0.23	0.72	1.13	1.32	1.51	1.70	1.89	2.30	2.78	
65	237.61	1.25	6.15	Student	-3.93	-1.98	-0.31	0.47	1.25	2.02	2.80	4.47	6.42	
	233.93	1.53	1.51	School	0.26	0.74	1.15	1.34	1.53	1.73	1.92	2.33	2.81	
70	240.33	1.17	6.15	Student	-4.01	-2.06	-0.39	0.40	1.17	1.94	2.73	4.39	6.34	
	235.33	1.56	1.51	School	0.29	0.77	1.18	1.37	1.56	1.75	1.95	2.36	2.84	
75	243.27	1.09	6.15	Student	-4.09	-2.14	-0.47	0.31	1.09	1.86	2.64	4.31	6.26	
	236.84	1.59	1.51	School	0.32	0.80	1.21	1.40	1.59	1.78	1.97	2.39	2.87	
80	246.55	0.99	6.15	Student	-4.18	-2.23	-0.57	0.22	0.99	1.77	2.55	4.22	6.17	
	238.52	1.62	1.51	School	0.35	0.83	1.24	1.43	1.62	1.81	2.01	2.42	2.90	
85	250.37	0.88	6.15	Student	-4.29	-2.34	-0.67	0.11	0.88	1.66	2.44	4.11	6.06	
	240.48	1.66	1.51	School	0.39	0.87	1.28	1.47	1.66	1.85	2.05	2.46	2.94	
90	255.17	0.75	6.15	Student	-4.43	-2.48	-0.81	-0.02	0.75	1.52	2.31	3.97	5.92	
	242.94	1.71	1.51	School	0.44	0.92	1.33	1.52	1.71	1.90	2.09	2.50	2.98	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.1.64: Mathematics Grade 10 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	205.87 218.23	0.55 0.45	5.41 1.10	Student School	-4.00 -0.48	-2.29 -0.13	-0.82 0.17	-0.13 0.31	0.55 0.45	1.23 0.59	1.92 0.73	3.39 1.03	5.10 1.38
20	214.67 222.79	0.65 0.59	5.41 1.10	Student School	-3.90 -0.34	-2.18 0.01	-0.72 0.31	-0.03 0.45	0.65 0.59	1.33 0.73	2.02 0.87	3.49 1.17	5.21 1.52
25	218.02 224.53	0.69 0.64	5.41 1.10	Student School	-3.86 -0.29	-2.15 0.06	-0.68 0.36	0.01 0.50	0.69 0.64	1.37 0.78	2.06 0.92	3.53 1.22	5.25 1.57
30	221.02 226.08	0.73 0.69	5.41 1.10	Student School	-3.83 -0.24	-2.11 0.11	-0.64 0.41	0.05 0.55	0.73 0.69	1.41 0.83	2.10 0.97	3.56 1.27	5.28 1.62
35	223.80 227.52	0.76 0.73	5.41 1.10	Student School	-3.79 -0.20	-2.08 0.15	-0.61 0.45	0.08 0.59	0.76 0.73	1.44 0.87	2.13 1.01	3.60 1.31	5.31 1.66
40	226.45 228.89	0.79 0.77	5.41 1.10	Student School	-3.76 -0.16	-2.05 0.19	-0.58 0.49	0.11 0.63	0.79 0.77	1.47 0.91	2.16 1.05	3.63 1.35	5.34 1.70
45	229.00 230.21	0.82 0.81	5.41 1.10	Student School	-3.73 -0.12	-2.02 0.23	-0.55 0.53	0.14 0.67	0.82 0.81	1.50 0.95	2.19 1.09	3.66 1.39	5.37 1.74
48	230.51 231.00	0.84 0.83	5.41 1.10	Student School	-3.72 -0.09	-2.00 0.26	-0.53 0.55	0.16 0.70	0.84 0.83	1.52 0.97	2.21 1.11	3.68 1.41	5.39 1.76
50	231.52 231.52	0.85 0.85	5.41 1.10	Student School	-3.70 -0.08	-1.99 0.27	-0.52 0.57	0.17 0.71	0.85 0.85	1.53 0.99	2.22 1.13	3.69 1.43	5.40 1.78
52	232.52 232.04	0.86 0.87	5.41 1.10	Student School	-3.69 -0.06	-1.98 0.29	-0.51 0.59	0.18 0.73	0.86 0.87	1.54 1.00	2.23 1.14	3.70 1.44	5.42 1.79
55	234.03 232.82	0.88 0.89	5.41 1.10	Student School	-3.67 -0.04	-1.96 0.31	-0.49 0.61	0.20 0.75	0.88 0.89	1.56 1.03	2.25 1.17	3.72 1.47	5.43 1.82
60	236.59 234.14	0.91 0.93	5.41 1.10	Student School	-3.64 -0.00	-1.93 0.35	-0.46 0.65	0.23 0.79	0.91 0.93	1.59 1.07	2.28 1.21	3.75 1.51	5.46 1.86
65	239.23 235.51	0.94 0.97	5.41 1.10	Student School	-3.61 0.04	-1.90 0.39	-0.43 0.69	0.26 0.83	0.94 0.97	1.62 1.11	2.31 1.25	3.78 1.55	5.49 1.90
70	242.01 236.95	0.97 1.01	5.41 1.10	Student School	-3.58 0.08	-1.86 0.43	-0.40 0.73	0.29 0.87	0.97 1.01	1.65 1.15	2.34 1.29	3.81 1.59	5.53 1.94
75	245.01 238.51	1.01 1.06	5.41 1.10	Student School	-3.55 0.13	-1.83 0.48	-0.36 0.78	0.33 0.92	1.01 1.06	1.69 1.20	2.38 1.34	3.85 1.64	5.56 1.99
80	248.36 240.24	1.05 1.11	5.41 1.10	Student School	-3.51 0.18	-1.79 0.53	-0.32 0.83	0.37 0.97	1.05 1.11	1.73 1.25	2.42 1.39	3.88 1.69	5.60 2.04
85	252.26 242.26	1.09 1.17	5.41 1.10	Student School	-3.46 0.24	-1.74 0.59	-0.28 0.89	0.41 1.03	1.09 1.17	1.77 1.31	2.46 1.45	3.93 1.75	5.65 2.10
90	257.16 244.80	1.15 1.25	5.41 1.10	Student School	-3.40 0.32	-1.69 0.67	-0.22 0.97	0.47 1.11	1.15 1.25	1.83 1.39	2.52 1.53	3.99 1.83	5.70 2.18

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Appendix E.2 - Reading

Table E.2.1: Reading Grade K From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20	30	40	45	50	55	60	70	80
10	123.69	26.30	8.96	Student	18.76	21.60	24.03	25.18	26.30	27.43	28.57	31.00	33.85
	133.32	22.97	3.70	School	19.85	21.03	22.03	22.50	22.97	23.43	23.90	24.91	26.08
20	129.65	24.65	8.96	Student	17.10	19.95	22.37	23.52	24.65	25.77	26.92	29.35	32.19
	135.97	22.45	3.70	School	19.34	20.52	21.52	21.99	22.45	22.92	23.39	24.39	25.57
25	131.91	24.02	8.96	Student	16.47	19.32	21.75	22.89	24.02	25.14	26.29	28.72	31.56
	136.98	22.26	3.70	School	19.15	20.32	21.32	21.80	22.26	22.73	23.20	24.20	25.37
30	133.95	23.45	8.96	Student	15.91	18.75	21.18	22.33	23.45	24.58	25.72	28.15	31.00
	137.89	22.09	3.70	School	18.97	20.15	21.15	21.62	22.09	22.55	23.02	24.03	25.20
35	135.83	22.93	8.96	Student	15.38	18.23	20.66	21.80	22.93	24.06	25.20	27.63	30.47
	138.73	21.93	3.70	School	18.81	19.99	20.99	21.46	21.93	22.39	22.86	23.87	25.04
40	137.62	22.43	8.96	Student	14.89	17.73	20.16	21.31	22.43	23.56	24.70	27.13	29.98
	139.52	21.77	3.70	School	18.66	19.83	20.84	21.31	21.77	22.24	22.71	23.71	24.89
45	139.35	21.95	8.96	Student	14.41	17.25	19.68	20.83	21.95	23.08	24.22	26.65	29.50
	140.29	21.62	3.70	School	18.51	19.68	20.69	21.16	21.62	22.09	22.56	23.56	24.74
48	140.37	21.67	8.96	Student	14.12	16.97	19.40	20.54	21.67	22.79	23.94	26.37	29.21
	140.75	21.54	3.70	School	18.42	19.60	20.60	21.07	21.54	22.00	22.47	23.48	24.65
50	141.05	21.48	8.96	Student	13.93	16.78	19.21	20.35	21.48	22.61	23.75	26.18	29.02
	141.05	21.48	3.70	School	18.37	19.54	20.54	21.01	21.48	21.94	22.42	23.42	24.59
52	141.73	21.29	8.96	Student	13.75	16.59	19.02	20.16	21.29	22.42	23.56	25.99	28.83
	141.35	21.42	3.70	School	18.31	19.48	20.48	20.96	21.42	21.89	22.36	23.36	24.53
55	142.75	21.01	8.96	Student	13.46	16.30	18.73	19.88	21.01	22.13	23.28	25.71	28.55
	141.81	21.33	3.70	School	18.22	19.39	20.40	20.87	21.33	21.80	22.27	23.27	24.45
60	144.48	20.53	8.96	Student	12.98	15.82	18.25	19.40	20.53	21.65	22.80	25.23	28.07
	142.58	21.18	3.70	School	18.07	19.24	20.25	20.72	21.18	21.65	22.12	23.12	24.30
65	146.27	20.03	8.96	Student	12.48	15.33	17.76	18.90	20.03	21.16	22.30	24.73	27.57
	143.37	21.03	3.70	School	17.92	19.09	20.09	20.57	21.03	21.50	21.97	22.97	24.15
70	148.15	19.51	8.96	Student	11.96	14.80	17.23	18.38	19.51	20.63	21.78	24.21	27.05
	144.21	20.87	3.70	School	17.76	18.93	19.93	20.41	20.87	21.34	21.81	22.81	23.98
75	150.18	18.94	8.96	Student	11.40	14.24	16.67	17.81	18.94	20.07	21.21	23.64	26.49
	145.12	20.70	3.70	School	17.58	18.76	19.76	20.23	20.70	21.16	21.63	22.64	23.81
80	152.45	18.31	8.96	Student	10.77	13.61	16.04	17.18	18.31	19.44	20.58	23.01	25.86
	146.12	20.50	3.70	School	17.39	18.56	19.57	20.04	20.50	20.97	21.44	22.44	23.62
85	155.09	17.58	8.96	Student	10.03	12.88	15.31	16.45	17.58	18.70	19.85	22.28	25.12
	147.30	20.28	3.70	School	17.16	18.34	19.34	19.81	20.28	20.74	21.21	22.22	23.39
90	158.40	16.66	8.96	Student	9.11	11.95	14.38	15.53	16.66	17.78	18.93	21.36	24.20
	148.78	19.99	3.70	School	16.88	18.05	19.05	19.53	19.99	20.46	20.93	21.93	23.11

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.2: Reading Grade K From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	123.69	21.08	7.49	Student	14.77	17.15	19.18	20.13	21.08	22.02	22.97	25.01	27.38
	133.32	18.25	2.88	School	15.83	16.74	17.52	17.89	18.25	18.61	18.98	19.76	20.68
20	129.65	19.71	7.49	Student	13.40	15.78	17.81	18.77	19.71	20.65	21.61	23.64	26.02
	135.97	17.86	2.88	School	15.43	16.35	17.13	17.49	17.86	18.22	18.58	19.37	20.28
25	131.91	19.19	7.49	Student	12.88	15.26	17.29	18.25	19.19	20.13	21.09	23.12	25.50
	136.98	17.70	2.88	School	15.28	16.20	16.98	17.34	17.70	18.07	18.43	19.21	20.13
30	133.95	18.72	7.49	Student	12.42	14.80	16.83	17.78	18.72	19.67	20.62	22.65	25.03
	137.89	17.57	2.88	School	15.15	16.06	16.84	17.21	17.57	17.93	18.30	19.08	19.99
35	135.83	18.29	7.49	Student	11.99	14.36	16.39	17.35	18.29	19.23	20.19	22.22	24.60
	138.73	17.44	2.88	School	15.02	15.93	16.71	17.08	17.44	17.81	18.17	18.95	19.87
40	137.62	17.88	7.49	Student	11.58	13.95	15.98	16.94	17.88	18.82	19.78	21.81	24.19
	139.52	17.32	2.88	School	14.90	15.82	16.60	16.96	17.32	17.69	18.05	18.83	19.75
45	139.35	17.49	7.49	Student	11.18	13.56	15.59	16.54	17.49	18.43	19.38	21.42	23.79
	140.29	17.21	2.88	School	14.79	15.70	16.48	16.85	17.21	17.57	17.94	18.72	19.63
48	140.37	17.25	7.49	Student	10.95	13.32	15.35	16.31	17.25	18.19	19.15	21.18	23.56
	140.75	17.14	2.88	School	14.72	15.63	16.41	16.78	17.14	17.50	17.87	18.65	19.56
50	141.05	17.10	7.49	Student	10.79	13.17	15.20	16.15	17.10	18.04	18.99	21.03	23.40
	141.05	17.10	2.88	School	14.67	15.59	16.37	16.73	17.10	17.46	17.83	18.61	19.52
52	141.73	16.94	7.49	Student	10.63	13.01	15.04	16.00	16.94	17.88	18.84	20.87	23.25
	141.35	17.05	2.88	School	14.63	15.54	16.32	16.69	17.05	17.41	17.78	18.56	19.47
55	142.75	16.71	7.49	Student	10.40	12.78	14.81	15.76	16.71	17.65	18.60	20.64	23.01
	141.81	16.98	2.88	School	14.56	15.47	16.25	16.62	16.98	17.34	17.71	18.49	19.41
60	144.48	16.31	7.49	Student	10.00	12.38	14.41	15.37	16.31	17.25	18.21	20.24	22.62
	142.58	16.87	2.88	School	14.45	15.36	16.14	16.51	16.87	17.23	17.60	18.38	19.29
65	146.27	15.90	7.49	Student	9.59	11.97	14.00	14.96	15.90	16.84	17.80	19.83	22.21
	143.37	16.75	2.88	School	14.33	15.24	16.02	16.39	16.75	17.11	17.48	18.26	19.17
70	148.15	15.47	7.49	Student	9.16	11.54	13.57	14.53	15.47	16.41	17.37	19.40	21.77
	144.21	16.62	2.88	School	14.20	15.11	15.89	16.26	16.62	16.98	17.35	18.13	19.05
75	150.18	15.00	7.49	Student	8.69	11.07	13.10	14.06	15.00	15.94	16.90	18.93	21.31
	145.12	16.49	2.88	School	14.06	14.98	15.76	16.13	16.49	16.85	17.22	18.00	18.91
80	152.45	14.48	7.49	Student	8.18	10.55	12.58	13.54	14.48	15.42	16.38	18.41	20.79
	146.12	16.34	2.88	School	13.91	14.83	15.61	15.97	16.34	16.70	17.07	17.85	18.76
85	155.09	13.88	7.49	Student	7.57	9.95	11.98	12.94	13.88	14.82	15.78	17.81	20.18
	147.30	16.16	2.88	School	13.74	14.65	15.43	15.80	16.16	16.52	16.89	17.67	18.58
90	158.40	13.12	7.49	Student	6.81	9.19	11.22	12.17	13.12	14.06	15.01	17.05	19.42
	148.78	15.94	2.88	School	13.52	14.43	15.21	15.58	15.94	16.30	16.67	17.45	18.36

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.3: Reading Grade K From Fall To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	123.69	13.00	5.63	Student	8.26	10.05	11.58	12.29	13.00	13.71	14.43	15.95	17.74
	133.32	10.95	1.65	School	9.56	10.08	10.53	10.74	10.95	11.15	11.36	11.81	12.33
20	129.65	12.07	5.63	Student	7.33	9.12	10.64	11.36	12.07	12.78	13.49	15.02	16.80
	135.97	10.72	1.65	School	9.33	9.86	10.30	10.51	10.72	10.93	11.14	11.58	12.10
25	131.91	11.71	5.63	Student	6.98	8.76	10.29	11.01	11.71	12.42	13.14	14.67	16.45
	136.98	10.63	1.65	School	9.25	9.77	10.22	10.43	10.63	10.84	11.05	11.50	12.02
30	133.95	11.40	5.63	Student	6.66	8.45	9.97	10.69	11.40	12.10	12.82	14.35	16.13
	137.89	10.56	1.65	School	9.17	9.69	10.14	10.35	10.56	10.76	10.97	11.42	11.94
35	135.83	11.10	5.63	Student	6.37	8.15	9.68	10.39	11.10	11.81	12.53	14.05	15.84
	138.73	10.48	1.65	School	9.10	9.62	10.07	10.28	10.48	10.69	10.90	11.35	11.87
40	137.62	10.82	5.63	Student	6.09	7.87	9.40	10.11	10.82	11.53	12.25	13.77	15.56
	139.52	10.42	1.65	School	9.03	9.55	10.00	10.21	10.42	10.62	10.83	11.28	11.80
45	139.35	10.55	5.63	Student	5.81	7.60	9.13	9.84	10.55	11.26	11.98	13.50	15.29
	140.29	10.35	1.65	School	8.96	9.49	9.93	10.14	10.35	10.56	10.77	11.21	11.74
48	140.37	10.39	5.63	Student	5.65	7.44	8.97	9.68	10.39	11.10	11.82	13.34	15.13
	140.75	10.31	1.65	School	8.92	9.45	9.89	10.10	10.31	10.52	10.73	11.17	11.70
50	141.05	10.28	5.63	Student	5.55	7.33	8.86	9.58	10.28	10.99	11.71	13.24	15.02
	141.05	10.28	1.65	School	8.90	9.42	9.87	10.08	10.28	10.49	10.70	11.15	11.67
52	141.73	10.18	5.63	Student	5.44	7.23	8.75	9.47	10.18	10.89	11.60	13.13	14.91
	141.35	10.26	1.65	School	8.87	9.40	9.84	10.05	10.26	10.47	10.68	11.12	11.64
55	142.75	10.02	5.63	Student	5.28	7.07	8.59	9.31	10.02	10.73	11.44	12.97	14.75
	141.81	10.22	1.65	School	8.83	9.36	9.80	10.01	10.22	10.43	10.64	11.08	11.61
60	144.48	9.75	5.63	Student	5.01	6.80	8.32	9.04	9.75	10.45	11.17	12.70	14.48
	142.58	10.15	1.65	School	8.77	9.29	9.74	9.95	10.15	10.36	10.57	11.02	11.54
65	146.27	9.47	5.63	Student	4.73	6.52	8.04	8.76	9.47	10.17	10.89	12.42	14.20
	143.37	10.09	1.65	School	8.70	9.22	9.67	9.88	10.09	10.29	10.50	10.95	11.47
70	148.15	9.17	5.63	Student	4.44	6.22	7.75	8.47	9.17	9.88	10.60	12.12	13.91
	144.21	10.01	1.65	School	8.63	9.15	9.60	9.81	10.01	10.22	10.43	10.88	11.40
75	150.18	8.85	5.63	Student	4.12	5.90	7.43	8.15	8.85	9.56	10.28	11.81	13.59
	145.12	9.94	1.65	School	8.55	9.07	9.52	9.73	9.94	10.14	10.35	10.80	11.32
80	152.45	8.50	5.63	Student	3.76	5.55	7.07	7.79	8.50	9.21	9.93	11.45	13.24
	146.12	9.85	1.65	School	8.46	8.99	9.43	9.64	9.85	10.06	10.27	10.71	11.24
85	155.09	8.09	5.63	Student	3.35	5.14	6.66	7.38	8.09	8.79	9.51	11.04	12.82
	147.30	9.75	1.65	School	8.36	8.89	9.33	9.54	9.75	9.96	10.17	10.61	11.14
90	158.40	7.57	5.63	Student	2.83	4.62	6.14	6.86	7.57	8.28	8.99	10.52	12.30
	148.78	9.62	1.65	School	8.24	8.76	9.21	9.42	9.62	9.83	10.04	10.49	11.01

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.4: Reading Grade K From Winter To Spring Conditional Growth Percentile

Start Status	Growth	Conditional Growth											
		CGP	20	30	40	45	50	55	60	70	80		
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	135.01	8.17	5.36	Student	3.66	5.36	6.81	7.49	8.17	8.84	9.53	10.98	12.68
	143.96	6.83	1.29	School	5.75	6.16	6.51	6.67	6.83	7.00	7.16	7.51	7.92
20	140.62	7.70	5.36	Student	3.19	4.89	6.34	7.03	7.70	8.38	9.06	10.51	12.21
	146.49	6.83	1.29	School	5.74	6.15	6.50	6.66	6.83	6.99	7.15	7.50	7.91
25	142.74	7.53	5.36	Student	3.01	4.71	6.17	6.85	7.53	8.20	8.88	10.34	12.04
	147.45	6.82	1.29	School	5.74	6.15	6.50	6.66	6.82	6.99	7.15	7.50	7.91
30	144.66	7.37	5.36	Student	2.85	4.55	6.01	6.69	7.37	8.04	8.72	10.18	11.88
	148.32	6.82	1.29	School	5.73	6.14	6.49	6.66	6.82	6.98	7.15	7.50	7.91
35	146.43	7.22	5.36	Student	2.71	4.41	5.86	6.55	7.22	7.89	8.58	10.03	11.73
	149.12	6.82	1.29	School	5.73	6.14	6.49	6.66	6.82	6.98	7.15	7.50	7.91
40	148.11	7.08	5.36	Student	2.57	4.27	5.72	6.41	7.08	7.75	8.44	9.89	11.59
	149.88	6.82	1.29	School	5.73	6.14	6.49	6.65	6.82	6.98	7.14	7.49	7.90
45	149.73	6.94	5.36	Student	2.43	4.13	5.59	6.27	6.94	7.62	8.30	9.76	11.46
	150.61	6.81	1.29	School	5.73	6.14	6.49	6.65	6.81	6.98	7.14	7.49	7.90
48	150.69	6.86	5.36	Student	2.35	4.05	5.51	6.19	6.86	7.54	8.22	9.68	11.38
	151.04	6.81	1.29	School	5.72	6.13	6.49	6.65	6.81	6.97	7.14	7.49	7.90
50	151.33	6.81	5.36	Student	2.30	4.00	5.45	6.14	6.81	7.49	8.17	9.62	11.32
	151.33	6.81	1.29	School	5.72	6.13	6.48	6.65	6.81	6.97	7.14	7.49	7.90
52	151.97	6.76	5.36	Student	2.25	3.95	5.40	6.08	6.76	7.43	8.12	9.57	11.27
	151.62	6.81	1.29	School	5.72	6.13	6.48	6.65	6.81	6.97	7.14	7.49	7.90
55	152.93	6.68	5.36	Student	2.17	3.87	5.32	6.00	6.68	7.35	8.04	9.49	11.19
	152.06	6.81	1.29	School	5.72	6.13	6.48	6.65	6.81	6.97	7.14	7.49	7.90
60	154.56	6.54	5.36	Student	2.03	3.73	5.19	5.87	6.54	7.22	7.90	9.36	11.06
	152.79	6.81	1.29	School	5.72	6.13	6.48	6.64	6.81	6.97	7.13	7.48	7.89
65	156.24	6.40	5.36	Student	1.89	3.59	5.05	5.73	6.40	7.08	7.76	9.22	10.92
	153.55	6.80	1.29	School	5.72	6.13	6.48	6.64	6.80	6.97	7.13	7.48	7.89
70	158.01	6.26	5.36	Student	1.74	3.45	4.90	5.58	6.26	6.93	7.62	9.07	10.77
	154.35	6.80	1.29	School	5.71	6.12	6.47	6.64	6.80	6.96	7.13	7.48	7.89
75	159.92	6.10	5.36	Student	1.59	3.29	4.74	5.42	6.10	6.77	7.46	8.91	10.61
	155.22	6.80	1.29	School	5.71	6.12	6.47	6.64	6.80	6.96	7.13	7.48	7.89
80	162.05	5.92	5.36	Student	1.41	3.11	4.56	5.25	5.92	6.59	7.28	8.73	10.43
	156.18	6.80	1.29	School	5.71	6.12	6.47	6.63	6.80	6.96	7.12	7.47	7.88
85	164.53	5.72	5.36	Student	1.20	2.90	4.36	5.04	5.72	6.39	7.07	8.53	10.23
	157.30	6.79	1.29	School	5.71	6.12	6.47	6.63	6.79	6.95	7.12	7.47	7.88
90	167.65	5.46	5.36	Student	0.94	2.64	4.10	4.78	5.46	6.13	6.81	8.27	9.97
	158.71	6.79	1.29	School	5.70	6.11	6.46	6.63	6.79	6.95	7.12	7.47	7.88

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.5: Reading Grade 1 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	134.20	22.86	7.47	Student	16.57	18.94	20.97	21.92	22.86	23.80	24.76	26.78	29.15
	143.42	20.90	2.52	School	18.78	19.58	20.26	20.58	20.90	21.21	21.54	22.22	23.02
20	140.25	21.78	7.47	Student	15.49	17.86	19.89	20.84	21.78	22.72	23.67	25.70	28.07
	146.30	20.49	2.52	School	18.37	19.17	19.85	20.17	20.49	20.81	21.13	21.81	22.61
25	142.55	21.37	7.47	Student	15.08	17.45	19.48	20.43	21.37	22.31	23.26	25.29	27.66
	147.40	20.33	2.52	School	18.21	19.01	19.70	20.02	20.33	20.65	20.97	21.66	22.45
30	144.61	21.00	7.47	Student	14.71	17.08	19.11	20.06	21.00	21.94	22.89	24.92	27.29
	148.38	20.20	2.52	School	18.08	18.87	19.56	19.88	20.20	20.51	20.83	21.52	22.32
35	146.52	20.66	7.47	Student	14.37	16.74	18.76	19.72	20.66	21.60	22.55	24.58	26.95
	149.30	20.07	2.52	School	17.95	18.75	19.43	19.75	20.07	20.38	20.70	21.39	22.19
40	148.34	20.33	7.47	Student	14.04	16.41	18.44	19.39	20.33	21.27	22.23	24.25	26.62
	150.16	19.94	2.52	School	17.82	18.62	19.31	19.63	19.94	20.26	20.58	21.27	22.06
45	150.09	20.02	7.47	Student	13.73	16.10	18.13	19.08	20.02	20.96	21.91	23.94	26.31
	151.00	19.83	2.52	School	17.71	18.51	19.19	19.51	19.83	20.14	20.46	21.15	21.95
48	151.13	19.83	7.47	Student	13.54	15.91	17.94	18.89	19.83	20.77	21.73	23.75	26.12
	151.49	19.76	2.52	School	17.64	18.44	19.12	19.44	19.76	20.07	20.39	21.08	21.88
50	151.82	19.71	7.47	Student	13.42	15.79	17.82	18.77	19.71	20.65	21.60	23.63	26.00
	151.82	19.71	2.52	School	17.59	18.39	19.07	19.39	19.71	20.03	20.35	21.03	21.83
52	152.51	19.59	7.47	Student	13.30	15.67	17.69	18.65	19.59	20.53	21.48	23.51	25.88
	152.15	19.66	2.52	School	17.54	18.34	19.03	19.35	19.66	19.98	20.30	20.98	21.78
55	153.55	19.40	7.47	Student	13.11	15.48	17.51	18.46	19.40	20.34	21.29	23.32	25.69
	152.65	19.59	2.52	School	17.47	18.27	18.96	19.28	19.59	19.91	20.23	20.91	21.71
60	155.31	19.09	7.47	Student	12.80	15.17	17.19	18.15	19.09	20.03	20.98	23.01	25.38
	153.48	19.48	2.52	School	17.36	18.15	18.84	19.16	19.48	19.79	20.11	20.80	21.59
65	157.12	18.76	7.47	Student	12.47	14.84	16.87	17.82	18.76	19.70	20.65	22.68	25.05
	154.35	19.35	2.52	School	17.23	18.03	18.71	19.04	19.35	19.67	19.99	20.67	21.47
70	159.04	18.42	7.47	Student	12.13	14.50	16.53	17.48	18.42	19.36	20.31	22.34	24.71
	155.26	19.22	2.52	School	17.10	17.90	18.59	18.91	19.22	19.54	19.86	20.54	21.34
75	161.10	18.05	7.47	Student	11.76	14.13	16.16	17.11	18.05	18.99	19.94	21.97	24.34
	156.24	19.08	2.52	School	16.97	17.76	18.45	18.77	19.08	19.40	19.72	20.41	21.20
80	163.40	17.64	7.47	Student	11.35	13.72	15.74	16.70	17.64	18.58	19.53	21.56	23.93
	157.34	18.93	2.52	School	16.81	17.61	18.29	18.61	18.93	19.25	19.57	20.25	21.05
85	166.08	17.16	7.47	Student	10.87	13.24	15.27	16.22	17.16	18.10	19.05	21.08	23.45
	158.62	18.75	2.52	School	16.63	17.43	18.11	18.43	18.75	19.07	19.39	20.07	20.87
90	169.45	16.56	7.47	Student	10.27	12.64	14.66	15.62	16.56	17.49	18.45	20.48	22.85
	160.22	18.52	2.52	School	16.40	17.20	17.88	18.21	18.52	18.84	19.16	19.84	20.64

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.6: Reading Grade 1 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	138.25	23.47	7.71	Student	16.98	19.43	21.52	22.50	23.47	24.44	25.42	27.51	29.95
	148.99	20.68	2.65	School	18.45	19.29	20.01	20.35	20.68	21.01	21.35	22.07	22.91
20	145.29	21.85	7.71	Student	15.37	17.81	19.90	20.88	21.85	22.82	23.80	25.89	28.34
	152.35	20.02	2.65	School	17.79	18.63	19.35	19.69	20.02	20.35	20.69	21.41	22.25
25	147.97	21.24	7.71	Student	14.75	17.20	19.28	20.27	21.24	22.21	23.19	25.28	27.72
	153.62	19.77	2.65	School	17.54	18.38	19.10	19.44	19.77	20.10	20.44	21.16	22.00
30	150.37	20.69	7.71	Student	14.20	16.64	18.73	19.72	20.69	21.65	22.64	24.73	27.17
	154.77	19.54	2.65	School	17.32	18.16	18.87	19.21	19.54	19.88	20.21	20.93	21.77
35	152.59	20.17	7.71	Student	13.69	16.13	18.22	19.21	20.17	21.14	22.13	24.21	26.66
	155.83	19.34	2.65	School	17.11	17.95	18.66	19.00	19.34	19.67	20.01	20.72	21.56
40	154.71	19.69	7.71	Student	13.20	15.65	17.74	18.72	19.69	20.66	21.64	23.73	26.17
	156.83	19.14	2.65	School	16.91	17.75	18.47	18.80	19.14	19.47	19.81	20.52	21.36
45	156.75	19.22	7.71	Student	12.73	15.18	17.27	18.25	19.22	20.19	21.17	23.26	25.70
	157.80	18.95	2.65	School	16.72	17.56	18.27	18.61	18.95	19.28	19.62	20.33	21.17
48	157.96	18.94	7.71	Student	12.46	14.90	16.99	17.97	18.94	19.91	20.89	22.98	25.43
	158.38	18.83	2.65	School	16.61	17.44	18.16	18.50	18.83	19.16	19.50	20.22	21.06
50	158.76	18.76	7.71	Student	12.27	14.72	16.80	17.79	18.76	19.72	20.71	22.80	25.24
	158.76	18.76	2.65	School	16.53	17.37	18.09	18.42	18.76	19.09	19.43	20.14	20.98
52	159.56	18.57	7.71	Student	12.09	14.53	16.62	17.60	18.57	19.54	20.52	22.61	25.06
	159.14	18.68	2.65	School	16.45	17.29	18.01	18.35	18.68	19.01	19.35	20.07	20.91
55	160.77	18.29	7.71	Student	11.81	14.25	16.34	17.33	18.29	19.26	20.25	22.33	24.78
	159.72	18.57	2.65	School	16.34	17.18	17.90	18.24	18.57	18.90	19.24	19.96	20.79
60	162.82	17.82	7.71	Student	11.34	13.78	15.87	16.86	17.82	18.79	19.78	21.87	24.31
	160.69	18.38	2.65	School	16.15	16.99	17.71	18.04	18.38	18.71	19.05	19.76	20.60
65	164.93	17.34	7.71	Student	10.85	13.30	15.39	16.37	17.34	18.31	19.29	21.38	23.82
	161.70	18.18	2.65	School	15.95	16.79	17.51	17.85	18.18	18.51	18.85	19.57	20.40
70	167.16	16.83	7.71	Student	10.34	12.79	14.88	15.86	16.83	17.80	18.78	20.87	23.31
	162.76	17.97	2.65	School	15.74	16.58	17.30	17.64	17.97	18.30	18.64	19.36	20.20
75	169.56	16.28	7.71	Student	9.79	12.24	14.32	15.31	16.28	17.24	18.23	20.32	22.76
	163.90	17.74	2.65	School	15.52	16.36	17.07	17.41	17.74	18.08	18.41	19.13	19.97
80	172.23	15.66	7.71	Student	9.18	11.62	13.71	14.69	15.66	16.63	17.61	19.70	22.15
	165.18	17.49	2.65	School	15.27	16.11	16.82	17.16	17.49	17.82	18.16	18.88	19.72
85	175.35	14.94	7.71	Student	8.46	10.90	12.99	13.98	14.94	15.91	16.90	18.99	21.43
	166.66	17.20	2.65	School	14.97	15.81	16.53	16.87	17.20	17.53	17.87	18.59	19.43
90	179.27	14.04	7.71	Student	7.56	10.00	12.09	13.07	14.04	15.01	16.00	18.08	20.53
	168.53	16.83	2.65	School	14.61	15.44	16.16	16.50	16.83	17.16	17.50	18.22	19.06

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.7: Reading Grade 1 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	143.94	12.76	9.59	Student	4.70	7.74	10.34	11.56	12.76	13.97	15.19	17.79	20.83
	153.24	13.52	3.56	School	10.52	11.65	12.62	13.07	13.52	13.97	14.42	15.39	16.52
20	149.69	13.20	9.59	Student	5.13	8.17	10.77	11.99	13.20	14.40	15.63	18.22	21.26
	155.80	13.69	3.56	School	10.70	11.83	12.79	13.25	13.69	14.14	14.60	15.56	16.69
25	151.88	13.36	9.59	Student	5.29	8.33	10.93	12.16	13.36	14.57	15.79	18.39	21.43
	156.77	13.76	3.56	School	10.76	11.89	12.86	13.31	13.76	14.21	14.66	15.63	16.76
30	153.84	13.51	9.59	Student	5.44	8.48	11.08	12.30	13.51	14.71	15.94	18.54	21.58
	157.64	13.82	3.56	School	10.82	11.95	12.92	13.37	13.82	14.27	14.72	15.69	16.82
35	155.66	13.64	9.59	Student	5.58	8.62	11.22	12.44	13.64	14.85	16.07	18.67	21.71
	158.45	13.87	3.56	School	10.87	12.00	12.97	13.42	13.87	14.32	14.77	15.74	16.87
40	157.38	13.77	9.59	Student	5.71	8.75	11.35	12.57	13.77	14.98	16.20	18.80	21.84
	159.22	13.92	3.56	School	10.93	12.06	13.02	13.48	13.92	14.37	14.83	15.79	16.92
45	159.05	13.90	9.59	Student	5.83	8.87	11.47	12.70	13.90	15.10	16.33	18.93	21.97
	159.97	13.97	3.56	School	10.98	12.11	13.07	13.53	13.97	14.42	14.88	15.84	16.97
48	160.04	13.97	9.59	Student	5.91	8.95	11.55	12.77	13.97	15.18	16.40	19.00	22.04
	160.41	14.00	3.56	School	11.01	12.14	13.10	13.56	14.00	14.45	14.91	15.87	17.00
50	160.70	14.02	9.59	Student	5.96	9.00	11.59	12.82	14.02	15.23	16.45	19.05	22.09
	160.70	14.02	3.56	School	11.03	12.16	13.12	13.58	14.02	14.47	14.93	15.89	17.02
52	161.35	14.07	9.59	Student	6.01	9.05	11.64	12.87	14.07	15.28	16.50	19.10	22.14
	160.99	14.04	3.56	School	11.05	12.18	13.14	13.60	14.04	14.49	14.95	15.91	17.04
55	162.34	14.15	9.59	Student	6.08	9.12	11.72	12.94	14.15	15.35	16.58	19.17	22.21
	161.43	14.07	3.56	School	11.08	12.20	13.17	13.63	14.07	14.52	14.98	15.94	17.07
60	164.01	14.27	9.59	Student	6.20	9.25	11.84	13.07	14.27	15.48	16.70	19.30	22.34
	162.17	14.12	3.56	School	11.13	12.26	13.22	13.68	14.12	14.57	15.03	15.99	17.12
65	165.74	14.40	9.59	Student	6.33	9.38	11.97	13.20	14.40	15.61	16.83	19.43	22.47
	162.94	14.17	3.56	School	11.18	12.31	13.27	13.73	14.17	14.62	15.08	16.04	17.17
70	167.56	14.54	9.59	Student	6.47	9.51	12.11	13.33	14.54	15.74	16.97	19.56	22.61
	163.75	14.23	3.56	School	11.23	12.36	13.33	13.78	14.23	14.68	15.13	16.10	17.23
75	169.52	14.69	9.59	Student	6.62	9.66	12.26	13.48	14.69	15.89	17.11	19.71	22.75
	164.62	14.29	3.56	School	11.29	12.42	13.39	13.84	14.29	14.74	15.19	16.16	17.29
80	171.70	14.85	9.59	Student	6.78	9.82	12.42	13.65	14.85	16.05	17.28	19.88	22.92
	165.60	14.35	3.56	School	11.36	12.49	13.45	13.91	14.35	14.80	15.26	16.22	17.35
85	174.25	15.04	9.59	Student	6.97	10.01	12.61	13.84	15.04	16.25	17.47	20.07	23.11
	166.73	14.43	3.56	School	11.43	12.56	13.53	13.98	14.43	14.88	15.33	16.30	17.43
90	177.46	15.28	9.59	Student	7.21	10.26	12.85	14.08	15.28	16.49	17.71	20.31	23.35
	168.16	14.53	3.56	School	11.53	12.66	13.62	14.08	14.53	14.97	15.43	16.39	17.52

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.8: Reading Grade 1 From Fall To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	143.94	18.05	8.03	Student	11.29	13.84	16.02	17.04	18.05	19.06	20.09	22.26	24.81
	153.24	16.51	2.78	School	14.18	15.06	15.81	16.17	16.51	16.86	17.22	17.97	18.85
20	149.69	17.63	8.03	Student	10.87	13.42	15.59	16.62	17.63	18.64	19.66	21.84	24.39
	155.80	16.62	2.78	School	14.28	15.16	15.92	16.27	16.62	16.97	17.32	18.08	18.96
25	151.88	17.47	8.03	Student	10.71	13.26	15.43	16.46	17.47	18.48	19.50	21.68	24.23
	156.77	16.66	2.78	School	14.32	15.20	15.96	16.31	16.66	17.01	17.36	18.12	19.00
30	153.84	17.32	8.03	Student	10.57	13.11	15.29	16.32	17.32	18.33	19.36	21.54	24.08
	157.64	16.70	2.78	School	14.36	15.24	15.99	16.35	16.70	17.04	17.40	18.15	19.03
35	155.66	17.19	8.03	Student	10.43	12.98	15.16	16.18	17.19	18.20	19.23	21.40	23.95
	158.45	16.73	2.78	School	14.39	15.27	16.03	16.38	16.73	17.08	17.43	18.19	19.07
40	157.38	17.06	8.03	Student	10.30	12.85	15.03	16.06	17.06	18.07	19.10	21.28	23.82
	159.22	16.76	2.78	School	14.42	15.30	16.06	16.41	16.76	17.11	17.46	18.22	19.10
45	159.05	16.94	8.03	Student	10.18	12.73	14.91	15.93	16.94	17.95	18.98	21.15	23.70
	159.97	16.79	2.78	School	14.45	15.34	16.09	16.44	16.79	17.14	17.49	18.25	19.13
48	160.04	16.87	8.03	Student	10.11	12.66	14.83	15.86	16.87	17.88	18.90	21.08	23.63
	160.41	16.81	2.78	School	14.47	15.35	16.11	16.46	16.81	17.16	17.51	18.27	19.15
50	160.70	16.82	8.03	Student	10.06	12.61	14.79	15.81	16.82	17.83	18.86	21.03	23.58
	160.70	16.82	2.78	School	14.48	15.37	16.12	16.47	16.82	17.17	17.52	18.28	19.16
52	161.35	16.77	8.03	Student	10.01	12.56	14.74	15.76	16.77	17.78	18.81	20.98	23.53
	160.99	16.83	2.78	School	14.50	15.38	16.13	16.48	16.83	17.18	17.54	18.29	19.17
55	162.34	16.70	8.03	Student	9.94	12.49	14.67	15.69	16.70	17.71	18.74	20.91	23.46
	161.43	16.85	2.78	School	14.51	15.40	16.15	16.50	16.85	17.20	17.55	18.31	19.19
60	164.01	16.58	8.03	Student	9.82	12.37	14.54	15.57	16.58	17.59	18.61	20.79	23.34
	162.17	16.88	2.78	School	14.54	15.43	16.18	16.53	16.88	17.23	17.59	18.34	19.22
65	165.74	16.45	8.03	Student	9.69	12.24	14.42	15.44	16.45	17.46	18.49	20.66	23.21
	162.94	16.91	2.78	School	14.58	15.46	16.21	16.56	16.91	17.26	17.62	18.37	19.25
70	167.56	16.32	8.03	Student	9.56	12.11	14.28	15.31	16.32	17.33	18.35	20.53	23.08
	163.75	16.95	2.78	School	14.61	15.49	16.24	16.60	16.95	17.30	17.65	18.40	19.28
75	169.52	16.17	8.03	Student	9.41	11.96	14.14	15.16	16.17	17.18	18.21	20.39	22.93
	164.62	16.98	2.78	School	14.65	15.53	16.28	16.63	16.98	17.33	17.69	18.44	19.32
80	171.70	16.01	8.03	Student	9.25	11.80	13.98	15.00	16.01	17.02	18.05	20.23	22.77
	165.60	17.02	2.78	School	14.69	15.57	16.32	16.67	17.02	17.37	17.73	18.48	19.36
85	174.25	15.83	8.03	Student	9.07	11.61	13.79	14.82	15.83	16.84	17.86	20.04	22.59
	166.73	17.07	2.78	School	14.73	15.61	16.37	16.72	17.07	17.42	17.77	18.53	19.41
90	177.46	15.59	8.03	Student	8.83	11.38	13.56	14.58	15.59	16.60	17.63	19.80	22.35
	168.16	17.13	2.78	School	14.79	15.67	16.42	16.78	17.13	17.48	17.83	18.58	19.46

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.9: Reading Grade 1 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	143.94	12.00	5.93	Student	7.00	8.88	10.49	11.25	12.00	12.74	13.50	15.11	16.99
	153.24	10.66	1.59	School	9.32	9.83	10.26	10.46	10.66	10.86	11.06	11.49	12.00
20	149.69	11.60	5.93	Student	6.60	8.49	10.09	10.85	11.60	12.34	13.10	14.71	16.59
	155.80	10.72	1.59	School	9.38	9.89	10.32	10.52	10.72	10.92	11.12	11.55	12.06
25	151.88	11.45	5.93	Student	6.45	8.33	9.94	10.70	11.45	12.19	12.95	14.56	16.44
	156.77	10.74	1.59	School	9.41	9.91	10.34	10.54	10.74	10.94	11.15	11.58	12.08
30	153.84	11.31	5.93	Student	6.32	8.20	9.81	10.56	11.31	12.06	12.81	14.42	16.30
	157.64	10.76	1.59	School	9.43	9.93	10.36	10.56	10.76	10.96	11.17	11.60	12.10
35	155.66	11.18	5.93	Student	6.19	8.07	9.68	10.44	11.18	11.93	12.69	14.30	16.18
	158.45	10.78	1.59	School	9.45	9.95	10.38	10.58	10.78	10.98	11.18	11.61	12.12
40	157.38	11.06	5.93	Student	6.07	7.95	9.56	10.32	11.06	11.81	12.57	14.18	16.06
	159.22	10.80	1.59	School	9.46	9.97	10.40	10.60	10.80	11.00	11.20	11.63	12.14
45	159.05	10.95	5.93	Student	5.95	7.84	9.45	10.20	10.95	11.69	12.45	14.06	15.94
	159.97	10.82	1.59	School	9.48	9.99	10.42	10.62	10.82	11.02	11.22	11.65	12.15
48	160.04	10.88	5.93	Student	5.89	7.77	9.38	10.13	10.88	11.63	12.38	13.99	15.87
	160.41	10.83	1.59	School	9.49	10.00	10.43	10.63	10.83	11.03	11.23	11.66	12.16
50	160.70	10.84	5.93	Student	5.84	7.72	9.33	10.09	10.84	11.58	12.34	13.95	15.83
	160.70	10.84	1.59	School	9.50	10.00	10.43	10.64	10.84	11.03	11.24	11.67	12.17
52	161.35	10.79	5.93	Student	5.80	7.68	9.29	10.04	10.79	11.54	12.29	13.90	15.78
	160.99	10.84	1.59	School	9.51	10.01	10.44	10.64	10.84	11.04	11.24	11.67	12.18
55	162.34	10.72	5.93	Student	5.73	7.61	9.22	9.98	10.72	11.47	12.22	13.83	15.72
	161.43	10.85	1.59	School	9.52	10.02	10.45	10.65	10.85	11.05	11.25	11.68	12.19
60	164.01	10.61	5.93	Student	5.61	7.49	9.10	9.86	10.61	11.35	12.11	13.72	15.60
	162.17	10.87	1.59	School	9.53	10.04	10.47	10.67	10.87	11.07	11.27	11.70	12.21
65	165.74	10.49	5.93	Student	5.49	7.37	8.98	9.74	10.49	11.23	11.99	13.60	15.48
	162.94	10.89	1.59	School	9.55	10.06	10.49	10.69	10.89	11.09	11.29	11.72	12.22
70	167.56	10.36	5.93	Student	5.37	7.25	8.86	9.61	10.36	11.11	11.86	13.47	15.35
	163.75	10.91	1.59	School	9.57	10.07	10.50	10.71	10.91	11.11	11.31	11.74	12.24
75	169.52	10.22	5.93	Student	5.23	7.11	8.72	9.48	10.22	10.97	11.73	13.34	15.22
	164.62	10.93	1.59	School	9.59	10.09	10.53	10.73	10.93	11.13	11.33	11.76	12.26
80	171.70	10.07	5.93	Student	5.08	6.96	8.57	9.33	10.07	10.82	11.58	13.19	15.07
	165.60	10.95	1.59	School	9.61	10.12	10.55	10.75	10.95	11.15	11.35	11.78	12.29
85	174.25	9.90	5.93	Student	4.90	6.79	8.39	9.15	9.90	10.64	11.40	13.01	14.89
	166.73	10.98	1.59	School	9.64	10.14	10.57	10.78	10.98	11.18	11.38	11.81	12.31
90	177.46	9.67	5.93	Student	4.68	6.56	8.17	8.93	9.67	10.42	11.18	12.79	14.67
	168.16	11.01	1.59	School	9.67	10.18	10.61	10.81	11.01	11.21	11.41	11.84	12.35

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.10: Reading Grade 1 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	154.18	6.07	5.46	Student	1.48	3.21	4.69	5.39	6.07	6.76	7.46	8.94	10.67
	163.63	5.47	1.12	School	4.52	4.88	5.18	5.33	5.47	5.61	5.75	6.06	6.41
20	160.13	6.04	5.46	Student	1.45	3.18	4.66	5.36	6.04	6.73	7.43	8.91	10.64
	166.34	5.65	1.12	School	4.70	5.06	5.36	5.50	5.65	5.79	5.93	6.23	6.59
25	162.40	6.03	5.46	Student	1.44	3.17	4.65	5.35	6.03	6.72	7.41	8.89	10.63
	167.37	5.71	1.12	School	4.77	5.12	5.43	5.57	5.71	5.85	6.00	6.30	6.66
30	164.43	6.02	5.46	Student	1.43	3.16	4.64	5.34	6.02	6.71	7.40	8.88	10.62
	168.30	5.77	1.12	School	4.83	5.18	5.49	5.63	5.77	5.92	6.06	6.36	6.72
35	166.31	6.01	5.46	Student	1.42	3.15	4.63	5.33	6.01	6.70	7.40	8.87	10.61
	169.16	5.83	1.12	School	4.88	5.24	5.55	5.69	5.83	5.97	6.11	6.42	6.78
40	168.10	6.00	5.46	Student	1.41	3.14	4.62	5.32	6.00	6.69	7.39	8.87	10.60
	169.97	5.88	1.12	School	4.94	5.29	5.60	5.74	5.88	6.02	6.17	6.47	6.83
45	169.83	5.99	5.46	Student	1.40	3.13	4.61	5.31	5.99	6.68	7.38	8.86	10.59
	170.76	5.94	1.12	School	4.99	5.35	5.65	5.79	5.94	6.08	6.22	6.52	6.88
48	170.85	5.99	5.46	Student	1.40	3.13	4.61	5.30	5.99	6.68	7.37	8.85	10.58
	171.22	5.97	1.12	School	5.02	5.38	5.68	5.82	5.97	6.11	6.25	6.56	6.91
50	171.53	5.99	5.46	Student	1.39	3.12	4.60	5.30	5.99	6.67	7.37	8.85	10.58
	171.53	5.99	1.12	School	5.04	5.40	5.70	5.84	5.99	6.13	6.27	6.58	6.93
52	172.21	5.98	5.46	Student	1.39	3.12	4.60	5.30	5.98	6.67	7.37	8.85	10.58
	171.84	6.01	1.12	School	5.06	5.42	5.72	5.87	6.01	6.15	6.29	6.60	6.95
55	173.23	5.98	5.46	Student	1.38	3.12	4.59	5.29	5.98	6.66	7.36	8.84	10.57
	172.31	6.04	1.12	School	5.09	5.45	5.75	5.90	6.04	6.18	6.32	6.63	6.98
60	174.96	5.97	5.46	Student	1.38	3.11	4.59	5.28	5.97	6.65	7.35	8.83	10.56
	173.09	6.09	1.12	School	5.14	5.50	5.80	5.95	6.09	6.23	6.37	6.68	7.04
65	176.75	5.96	5.46	Student	1.37	3.10	4.58	5.27	5.96	6.65	7.34	8.82	10.55
	173.91	6.14	1.12	School	5.20	5.55	5.86	6.00	6.14	6.28	6.43	6.73	7.09
70	178.63	5.95	5.46	Student	1.36	3.09	4.57	5.26	5.95	6.64	7.33	8.81	10.54
	174.77	6.20	1.12	School	5.25	5.61	5.91	6.06	6.20	6.34	6.48	6.79	7.14
75	180.67	5.94	5.46	Student	1.35	3.08	4.56	5.25	5.94	6.63	7.32	8.80	10.53
	175.69	6.26	1.12	School	5.31	5.67	5.97	6.12	6.26	6.40	6.54	6.85	7.21
80	182.93	5.93	5.46	Student	1.34	3.07	4.55	5.24	5.93	6.62	7.31	8.79	10.52
	176.72	6.33	1.12	School	5.38	5.74	6.04	6.19	6.33	6.47	6.61	6.92	7.27
85	185.57	5.92	5.46	Student	1.32	3.05	4.53	5.23	5.92	6.60	7.30	8.78	10.51
	177.92	6.41	1.12	School	5.46	5.82	6.12	6.26	6.41	6.55	6.69	7.00	7.35
90	188.89	5.90	5.46	Student	1.31	3.04	4.52	5.21	5.90	6.59	7.28	8.76	10.49
	179.44	6.51	1.12	School	5.56	5.92	6.22	6.36	6.51	6.65	6.79	7.09	7.45

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.11: Reading Grade 2 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	151.49 163.05	15.60 13.21	6.82 2.00	Student School	9.86 11.53	12.02 12.16	13.87 12.70	14.74 12.96	15.60 13.21	16.46 13.46	17.33 13.72	19.18 14.26	21.34 14.89
20	158.41 166.01	14.54 12.97	6.82 2.00	Student School	8.80 11.28	10.96 11.92	12.81 12.46	13.68 12.72	14.54 12.97	15.39 13.22	16.26 13.47	18.11 14.02	20.28 14.65
25	161.05 167.13	14.13 12.87	6.82 2.00	Student School	8.39 11.19	10.56 11.83	12.41 12.37	13.28 12.62	14.13 12.87	14.99 13.13	15.86 13.38	17.71 13.92	19.87 14.56
30	163.41 168.14	13.77 12.79	6.82 2.00	Student School	8.03 11.11	10.19 11.74	12.04 12.29	12.91 12.54	13.77 12.79	14.63 13.04	15.50 13.30	17.35 13.84	19.51 14.48
35	165.60 169.08	13.43 12.72	6.82 2.00	Student School	7.70 11.03	9.86 11.67	11.71 12.21	12.58 12.46	13.43 12.72	14.29 12.97	15.16 13.22	17.01 13.76	19.17 14.40
40	167.68 169.96	13.12 12.64	6.82 2.00	Student School	7.38 10.96	9.54 11.59	11.39 12.14	12.26 12.39	13.12 12.64	13.97 12.89	14.84 13.15	16.69 13.69	18.85 14.33
45	169.69 170.82	12.81 12.57	6.82 2.00	Student School	7.07 10.89	9.23 11.52	11.08 12.07	11.95 12.32	12.81 12.57	13.66 12.82	14.53 13.08	16.38 13.62	18.55 14.26
48	170.88 171.33	12.62 12.53	6.82 2.00	Student School	6.89 10.85	9.05 11.48	10.90 12.02	11.77 12.28	12.62 12.53	13.48 12.78	14.35 13.04	16.20 13.58	18.36 14.21
50	171.67 171.67	12.50 12.50	6.82 2.00	Student School	6.76 10.82	8.93 11.46	10.78 12.00	11.65 12.25	12.50 12.50	13.36 12.76	14.23 13.01	16.08 13.55	18.24 14.19
52	172.46 172.00	12.38 12.48	6.82 2.00	Student School	6.64 10.79	8.81 11.43	10.66 11.97	11.53 12.22	12.38 12.48	13.24 12.73	14.11 12.98	15.96 13.52	18.12 14.16
55	173.65 172.51	12.20 12.43	6.82 2.00	Student School	6.46 10.75	8.62 11.39	10.47 11.93	11.34 12.18	12.20 12.43	13.06 12.69	13.93 12.94	15.78 13.48	17.94 14.12
60	175.66 173.37	11.89 12.36	6.82 2.00	Student School	6.15 10.68	8.32 11.32	10.16 11.86	11.03 12.11	11.89 12.36	12.75 12.62	13.62 12.87	15.47 13.41	17.63 14.05
65	177.74 174.26	11.57 12.29	6.82 2.00	Student School	5.83 10.61	8.00 11.24	9.85 11.79	10.72 12.04	11.57 12.29	12.43 12.54	13.30 12.80	15.15 13.34	17.31 13.97
70	179.93 175.19	11.24 12.22	6.82 2.00	Student School	5.50 10.53	7.66 11.17	9.51 11.71	10.38 11.96	11.24 12.22	12.09 12.47	12.96 12.72	14.81 13.26	16.98 13.90
75	182.29 176.20	10.87 12.13	6.82 2.00	Student School	5.14 10.45	7.30 11.08	9.15 11.63	10.02 11.88	10.87 12.13	11.73 12.38	12.60 12.64	14.45 13.18	16.61 13.82
80	184.92 177.33	10.47 12.04	6.82 2.00	Student School	4.73 10.36	6.90 10.99	8.74 11.53	9.61 11.79	10.47 12.04	11.33 12.29	12.20 12.55	14.05 13.09	16.21 13.72
85	187.99 178.64	10.00 11.93	6.82 2.00	Student School	4.26 10.25	6.42 10.89	8.27 11.43	9.14 11.68	10.00 11.93	10.86 12.18	11.73 12.44	13.58 12.98	15.74 13.62
90	191.85 180.28	9.41 11.80	6.82 2.00	Student School	3.67 10.12	5.83 10.75	7.68 11.29	8.55 11.55	9.41 11.80	10.27 12.05	11.14 12.31	12.98 12.85	15.15 13.48

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.12: Reading Grade 2 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	156.11	15.44	7.24	Student	9.35	11.65	13.61	14.53	15.44	16.36	17.28	19.24	21.54
	168.21	12.34	2.28	School	10.42	11.14	11.76	12.05	12.34	12.62	12.92	13.53	14.26
20	163.54	13.90	7.24	Student	7.80	10.10	12.06	12.99	13.90	14.81	15.73	17.70	20.00
	171.48	11.86	2.28	School	9.94	10.66	11.28	11.57	11.86	12.15	12.44	13.06	13.78
25	166.36	13.31	7.24	Student	7.22	9.51	11.48	12.40	13.31	14.22	15.15	17.11	19.41
	172.73	11.68	2.28	School	9.76	10.48	11.10	11.39	11.68	11.96	12.26	12.87	13.60
30	168.90	12.79	7.24	Student	6.69	8.99	10.95	11.88	12.79	13.70	14.62	16.58	18.88
	173.85	11.51	2.28	School	9.59	10.32	10.94	11.23	11.51	11.80	12.09	12.71	13.43
35	171.24	12.30	7.24	Student	6.20	8.50	10.46	11.39	12.30	13.21	14.13	16.10	18.39
	174.88	11.36	2.28	School	9.44	10.17	10.78	11.08	11.36	11.65	11.94	12.56	13.28
40	173.47	11.83	7.24	Student	5.74	8.04	10.00	10.92	11.83	12.74	13.67	15.63	17.93
	175.86	11.22	2.28	School	9.30	10.02	10.64	10.93	11.22	11.51	11.80	12.42	13.14
45	175.63	11.39	7.24	Student	5.29	7.59	9.55	10.47	11.39	12.30	13.22	15.18	17.48
	176.81	11.08	2.28	School	9.16	9.88	10.50	10.79	11.08	11.37	11.66	12.28	13.00
48	176.90	11.12	7.24	Student	5.02	7.32	9.28	10.21	11.12	12.03	12.95	14.92	17.22
	177.38	11.00	2.28	School	9.08	9.80	10.42	10.71	11.00	11.28	11.58	12.19	12.92
50	177.75	10.94	7.24	Student	4.85	7.15	9.11	10.03	10.94	11.85	12.78	14.74	17.04
	177.75	10.94	2.28	School	9.02	9.75	10.37	10.66	10.94	11.23	11.52	12.14	12.86
52	178.60	10.77	7.24	Student	4.67	6.97	8.93	9.86	10.77	11.68	12.60	14.57	16.86
	178.12	10.89	2.28	School	8.97	9.69	10.31	10.60	10.89	11.18	11.47	12.09	12.81
55	179.87	10.50	7.24	Student	4.41	6.70	8.67	9.59	10.50	11.41	12.34	14.30	16.60
	178.69	10.81	2.28	School	8.89	9.61	10.23	10.52	10.81	11.09	11.38	12.00	12.73
60	182.03	10.05	7.24	Student	3.96	6.26	8.22	9.14	10.05	10.96	11.89	13.85	16.15
	179.64	10.67	2.28	School	8.75	9.47	10.09	10.38	10.67	10.95	11.25	11.86	12.59
65	184.26	9.59	7.24	Student	3.49	5.79	7.76	8.68	9.59	10.50	11.43	13.39	15.69
	180.62	10.52	2.28	School	8.60	9.33	9.95	10.24	10.52	10.81	11.10	11.72	12.44
70	186.60	9.10	7.24	Student	3.01	5.30	7.27	8.19	9.10	10.01	10.94	12.90	15.20
	181.65	10.37	2.28	School	8.45	9.18	9.80	10.09	10.37	10.66	10.95	11.57	12.29
75	189.14	8.57	7.24	Student	2.48	4.78	6.74	7.66	8.57	9.48	10.41	12.37	14.67
	182.77	10.21	2.28	School	8.29	9.01	9.63	9.92	10.21	10.50	10.79	11.41	12.13
80	191.96	7.99	7.24	Student	1.89	4.19	6.15	7.08	7.99	8.90	9.82	11.79	14.08
	184.01	10.03	2.28	School	8.11	8.83	9.45	9.74	10.03	10.31	10.61	11.22	11.95
85	195.25	7.30	7.24	Student	1.21	3.51	5.47	6.39	7.30	8.21	9.14	11.10	13.40
	185.46	9.82	2.28	School	7.90	8.62	9.24	9.53	9.82	10.10	10.39	11.01	11.74
90	199.39	6.44	7.24	Student	0.35	2.64	4.61	5.53	6.44	7.35	8.28	10.24	12.54
	187.29	9.55	2.28	School	7.63	8.35	8.97	9.26	9.55	9.84	10.13	10.75	11.47

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.13: Reading Grade 2 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	154.83	14.11	8.33	Student	7.10	9.74	12.00	13.07	14.11	15.16	16.22	18.48	21.13
	166.51	13.35	2.42	School	11.31	12.08	12.74	13.05	13.35	13.65	13.96	14.62	15.38
20	161.66	13.95	8.33	Student	6.94	9.58	11.84	12.91	13.95	15.00	16.07	18.32	20.97
	169.33	13.45	2.42	School	11.42	12.19	12.84	13.15	13.45	13.76	14.07	14.72	15.49
25	164.25	13.89	8.33	Student	6.88	9.52	11.78	12.85	13.89	14.94	16.01	18.26	20.91
	170.40	13.49	2.42	School	11.46	12.22	12.88	13.19	13.49	13.80	14.10	14.76	15.53
30	166.58	13.84	8.33	Student	6.83	9.47	11.73	12.79	13.84	14.89	15.95	18.21	20.85
	171.36	13.53	2.42	School	11.49	12.26	12.92	13.22	13.53	13.83	14.14	14.80	15.56
35	168.74	13.79	8.33	Student	6.78	9.42	11.68	12.74	13.79	14.84	15.90	18.16	20.80
	172.25	13.56	2.42	School	11.53	12.29	12.95	13.26	13.56	13.86	14.17	14.83	15.60
40	170.79	13.74	8.33	Student	6.73	9.37	11.63	12.70	13.74	14.79	15.85	18.11	20.76
	173.10	13.59	2.42	School	11.56	12.32	12.98	13.29	13.59	13.90	14.20	14.86	15.63
45	172.77	13.70	8.33	Student	6.68	9.33	11.59	12.65	13.70	14.74	15.81	18.07	20.71
	173.92	13.62	2.42	School	11.59	12.35	13.01	13.32	13.62	13.93	14.23	14.89	15.66
48	173.94	13.67	8.33	Student	6.66	9.30	11.56	12.62	13.67	14.72	15.78	18.04	20.68
	174.40	13.64	2.42	School	11.60	12.37	13.03	13.34	13.64	13.94	14.25	14.91	15.67
50	174.72	13.65	8.33	Student	6.64	9.28	11.54	12.60	13.65	14.70	15.76	18.02	20.66
	174.72	13.65	2.42	School	11.62	12.38	13.04	13.35	13.65	13.96	14.26	14.92	15.69
52	175.50	13.63	8.33	Student	6.62	9.26	11.52	12.59	13.63	14.68	15.74	18.00	20.65
	175.04	13.66	2.42	School	11.63	12.40	13.05	13.36	13.66	13.97	14.28	14.93	15.70
55	176.67	13.61	8.33	Student	6.59	9.24	11.50	12.56	13.61	14.65	15.72	17.98	20.62
	175.53	13.68	2.42	School	11.65	12.41	13.07	13.38	13.68	13.98	14.29	14.95	15.72
60	178.65	13.56	8.33	Student	6.55	9.19	11.45	12.51	13.56	14.61	15.67	17.93	20.57
	176.34	13.71	2.42	School	11.68	12.44	13.10	13.41	13.71	14.02	14.32	14.98	15.75
65	180.70	13.51	8.33	Student	6.50	9.14	11.40	12.47	13.51	14.56	15.62	17.88	20.53
	177.19	13.74	2.42	School	11.71	12.47	13.13	13.44	13.74	14.05	14.35	15.01	15.78
70	182.86	13.46	8.33	Student	6.45	9.09	11.35	12.42	13.46	14.51	15.57	17.83	20.48
	178.08	13.78	2.42	School	11.74	12.51	13.16	13.47	13.78	14.08	14.39	15.04	15.81
75	185.19	13.41	8.33	Student	6.40	9.04	11.30	12.36	13.41	14.46	15.52	17.78	20.42
	179.04	13.81	2.42	School	11.78	12.54	13.20	13.51	13.81	14.11	14.42	15.08	15.85
80	187.78	13.35	8.33	Student	6.34	8.98	11.24	12.30	13.35	14.40	15.46	17.72	20.36
	180.11	13.85	2.42	School	11.82	12.58	13.24	13.55	13.85	14.15	14.46	15.12	15.88
85	190.81	13.28	8.33	Student	6.27	8.91	11.17	12.23	13.28	14.33	15.39	17.65	20.29
	181.36	13.90	2.42	School	11.86	12.63	13.28	13.59	13.90	14.20	14.51	15.16	15.93
90	194.61	13.19	8.33	Student	6.18	8.82	11.08	12.14	13.19	14.24	15.30	17.56	20.20
	182.93	13.95	2.42	School	11.92	12.69	13.34	13.65	13.95	14.26	14.57	15.22	15.99

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.14: Reading Grade 2 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	154.83	17.15	7.82	Student	10.57	13.05	15.17	16.17	17.15	18.13	19.13	21.25	23.73
	166.51	14.14	2.50	School	12.04	12.83	13.51	13.83	14.14	14.45	14.77	15.45	16.24
20	161.66	16.06	7.82	Student	9.48	11.96	14.08	15.08	16.06	17.04	18.04	20.16	22.64
	169.33	14.08	2.50	School	11.98	12.77	13.45	13.77	14.08	14.40	14.72	15.39	16.18
25	164.25	15.64	7.82	Student	9.06	11.54	13.66	14.66	15.64	16.63	17.63	19.75	22.23
	170.40	14.06	2.50	School	11.96	12.75	13.43	13.75	14.06	14.37	14.69	15.37	16.16
30	166.58	15.27	7.82	Student	8.69	11.17	13.29	14.29	15.27	16.25	17.25	19.37	21.85
	171.36	14.04	2.50	School	11.94	12.73	13.41	13.73	14.04	14.35	14.67	15.35	16.14
35	168.74	14.93	7.82	Student	8.34	10.83	12.95	13.94	14.93	15.91	16.91	19.03	21.51
	172.25	14.02	2.50	School	11.92	12.71	13.39	13.71	14.02	14.34	14.66	15.33	16.12
40	170.79	14.60	7.82	Student	8.02	10.50	12.62	13.62	14.60	15.58	16.58	18.70	21.18
	173.10	14.01	2.50	School	11.90	12.70	13.37	13.69	14.01	14.32	14.64	15.32	16.11
45	172.77	14.28	7.82	Student	7.70	10.18	12.30	13.30	14.28	15.27	16.27	18.39	20.87
	173.92	13.99	2.50	School	11.89	12.68	13.36	13.68	13.99	14.30	14.62	15.30	16.09
48	173.94	14.10	7.82	Student	7.51	10.00	12.12	13.11	14.10	15.08	16.08	18.20	20.68
	174.40	13.98	2.50	School	11.88	12.67	13.35	13.67	13.98	14.29	14.61	15.29	16.08
50	174.72	13.97	7.82	Student	7.39	9.87	11.99	12.99	13.97	14.96	15.95	18.07	20.56
	174.72	13.97	2.50	School	11.87	12.66	13.34	13.66	13.97	14.29	14.61	15.28	16.07
52	175.50	13.85	7.82	Student	7.27	9.75	11.87	12.87	13.85	14.83	15.83	17.95	20.43
	175.04	13.97	2.50	School	11.86	12.66	13.33	13.65	13.97	14.28	14.60	15.28	16.07
55	176.67	13.66	7.82	Student	7.08	9.56	11.68	12.68	13.66	14.64	15.64	17.76	20.24
	175.53	13.96	2.50	School	11.85	12.65	13.32	13.64	13.96	14.27	14.59	15.27	16.06
60	178.65	13.35	7.82	Student	6.76	9.24	11.36	12.36	13.35	14.33	15.33	17.45	19.93
	176.34	13.94	2.50	School	11.84	12.63	13.31	13.63	13.94	14.25	14.57	15.25	16.04
65	180.70	13.02	7.82	Student	6.44	8.92	11.04	12.04	13.02	14.00	15.00	17.12	19.60
	177.19	13.92	2.50	School	11.82	12.61	13.29	13.61	13.92	14.24	14.56	15.23	16.02
70	182.86	12.67	7.82	Student	6.09	8.57	10.69	11.69	12.67	13.66	14.66	16.78	19.26
	178.08	13.90	2.50	School	11.80	12.60	13.27	13.59	13.90	14.22	14.54	15.21	16.01
75	185.19	12.30	7.82	Student	5.72	8.20	10.32	11.32	12.30	13.28	14.28	16.40	18.88
	179.04	13.89	2.50	School	11.78	12.58	13.25	13.57	13.89	14.20	14.52	15.19	15.99
80	187.78	11.89	7.82	Student	5.31	7.79	9.91	10.90	11.89	12.87	13.87	15.99	18.47
	180.11	13.86	2.50	School	11.76	12.55	13.23	13.55	13.86	14.18	14.50	15.17	15.97
85	190.81	11.41	7.82	Student	4.82	7.30	9.42	10.42	11.41	12.39	13.39	15.51	17.99
	181.36	13.84	2.50	School	11.74	12.53	13.21	13.52	13.84	14.15	14.47	15.15	15.94
90	194.61	10.80	7.82	Student	4.22	6.70	8.82	9.81	10.80	11.78	12.78	14.90	17.38
	182.93	13.81	2.50	School	11.70	12.50	13.17	13.49	13.81	14.12	14.44	15.12	15.91

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.15: Reading Grade 2 From Fall To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	154.83	11.65	5.81	Student	6.76	8.61	10.18	10.92	11.65	12.38	13.12	14.70	16.54
	166.51	9.55	1.43	School	8.34	8.80	9.18	9.37	9.55	9.73	9.91	10.29	10.75
20	161.66	10.90	5.81	Student	6.01	7.85	9.42	10.17	10.90	11.63	12.37	13.94	15.78
	169.33	9.51	1.43	School	8.31	8.77	9.15	9.33	9.51	9.69	9.88	10.26	10.72
25	164.25	10.61	5.81	Student	5.72	7.56	9.14	9.88	10.61	11.34	12.08	13.65	15.49
	170.40	9.50	1.43	School	8.30	8.75	9.14	9.32	9.50	9.68	9.86	10.25	10.70
30	166.58	10.35	5.81	Student	5.47	7.31	8.88	9.62	10.35	11.08	11.82	13.40	15.24
	171.36	9.49	1.43	School	8.29	8.74	9.13	9.31	9.49	9.67	9.85	10.24	10.69
35	168.74	10.11	5.81	Student	5.23	7.07	8.64	9.38	10.11	10.84	11.58	13.16	15.00
	172.25	9.48	1.43	School	8.28	8.73	9.12	9.30	9.48	9.66	9.84	10.23	10.68
40	170.79	9.89	5.81	Student	5.00	6.84	8.42	9.16	9.89	10.62	11.36	12.93	14.77
	173.10	9.47	1.43	School	8.27	8.72	9.11	9.29	9.47	9.65	9.83	10.22	10.67
45	172.77	9.67	5.81	Student	4.78	6.62	8.20	8.94	9.67	10.40	11.14	12.71	14.55
	173.92	9.46	1.43	School	8.26	8.71	9.10	9.28	9.46	9.64	9.82	10.21	10.66
48	173.94	9.54	5.81	Student	4.65	6.49	8.07	8.81	9.54	10.27	11.01	12.58	14.42
	174.40	9.45	1.43	School	8.25	8.71	9.09	9.28	9.45	9.63	9.82	10.20	10.66
50	174.72	9.45	5.81	Student	4.57	6.41	7.98	8.72	9.45	10.18	10.92	12.50	14.34
	174.72	9.45	1.43	School	8.25	8.70	9.09	9.27	9.45	9.63	9.81	10.20	10.65
52	175.50	9.36	5.81	Student	4.48	6.32	7.89	8.64	9.36	10.09	10.84	12.41	14.25
	175.04	9.45	1.43	School	8.25	8.70	9.09	9.27	9.45	9.63	9.81	10.20	10.65
55	176.67	9.24	5.81	Student	4.35	6.19	7.76	8.51	9.24	9.96	10.71	12.28	14.12
	175.53	9.44	1.43	School	8.24	8.69	9.08	9.26	9.44	9.62	9.80	10.19	10.64
60	178.65	9.02	5.81	Student	4.13	5.97	7.55	8.29	9.02	9.75	10.49	12.06	13.90
	176.34	9.43	1.43	School	8.23	8.68	9.07	9.25	9.43	9.61	9.79	10.18	10.63
65	180.70	8.79	5.81	Student	3.90	5.75	7.32	8.06	8.79	9.52	10.26	11.83	13.68
	177.19	9.42	1.43	School	8.22	8.67	9.06	9.24	9.42	9.60	9.78	10.17	10.62
70	182.86	8.55	5.81	Student	3.66	5.51	7.08	7.82	8.55	9.28	10.02	11.60	13.44
	178.08	9.41	1.43	School	8.21	8.66	9.05	9.23	9.41	9.59	9.77	10.16	10.61
75	185.19	8.29	5.81	Student	3.41	5.25	6.82	7.56	8.29	9.02	9.76	11.34	13.18
	179.04	9.40	1.43	School	8.20	8.65	9.04	9.22	9.40	9.58	9.76	10.15	10.60
80	187.78	8.01	5.81	Student	3.12	4.96	6.54	7.28	8.01	8.74	9.48	11.05	12.89
	180.11	9.39	1.43	School	8.19	8.64	9.03	9.21	9.39	9.57	9.75	10.14	10.59
85	190.81	7.67	5.81	Student	2.79	4.63	6.20	6.94	7.67	8.40	9.14	10.72	12.56
	181.36	9.37	1.43	School	8.17	8.63	9.01	9.19	9.37	9.55	9.74	10.12	10.58
90	194.61	7.25	5.81	Student	2.37	4.21	5.78	6.52	7.25	7.98	8.72	10.30	12.14
	182.93	9.36	1.43	School	8.15	8.61	8.99	9.18	9.36	9.54	9.72	10.10	10.56

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.16: Reading Grade 2 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	164.98	5.51	5.44	Student	0.94	2.66	4.13	4.83	5.51	6.19	6.89	8.36	10.09	
	175.86	4.29	1.06	School	3.40	3.74	4.02	4.16	4.29	4.42	4.56	4.84	5.18	
20	171.57	5.17	5.44	Student	0.60	2.32	3.79	4.49	5.17	5.85	6.55	8.02	9.75	
	178.71	4.37	1.06	School	3.48	3.82	4.10	4.24	4.37	4.50	4.64	4.92	5.26	
25	174.07	5.04	5.44	Student	0.47	2.19	3.67	4.36	5.04	5.73	6.42	7.89	9.62	
	179.80	4.40	1.06	School	3.51	3.85	4.13	4.27	4.40	4.53	4.67	4.95	5.29	
30	176.32	4.93	5.44	Student	0.35	2.08	3.55	4.24	4.93	5.61	6.30	7.78	9.50	
	180.77	4.43	1.06	School	3.54	3.87	4.16	4.29	4.43	4.56	4.69	4.98	5.32	
35	178.40	4.82	5.44	Student	0.24	1.97	3.44	4.14	4.82	5.50	6.20	7.67	9.39	
	181.67	4.45	1.06	School	3.56	3.90	4.18	4.32	4.45	4.58	4.72	5.01	5.34	
40	180.38	4.72	5.44	Student	0.14	1.87	3.34	4.03	4.72	5.40	6.09	7.57	9.29	
	182.53	4.48	1.06	School	3.59	3.92	4.21	4.34	4.48	4.61	4.74	5.03	5.37	
45	182.29	4.62	5.44	Student	0.04	1.77	3.24	3.94	4.62	5.30	6.00	7.47	9.19	
	183.36	4.50	1.06	School	3.61	3.94	4.23	4.37	4.50	4.63	4.77	5.05	5.39	
48	183.42	4.56	5.44	Student	-0.01	1.71	3.18	3.88	4.56	5.24	5.94	7.41	9.14	
	183.85	4.51	1.06	School	3.62	3.96	4.24	4.38	4.51	4.65	4.78	5.07	5.40	
50	184.17	4.52	5.44	Student	-0.05	1.67	3.14	3.84	4.52	5.20	5.90	7.37	9.10	
	184.17	4.52	1.06	School	3.63	3.97	4.25	4.39	4.52	4.65	4.79	5.08	5.41	
52	184.92	4.48	5.44	Student	-0.09	1.63	3.11	3.80	4.48	5.17	5.86	7.33	9.06	
	184.50	4.53	1.06	School	3.64	3.98	4.26	4.40	4.53	4.66	4.80	5.09	5.42	
55	186.05	4.42	5.44	Student	-0.15	1.57	3.05	3.74	4.42	5.11	5.80	7.28	9.00	
	184.99	4.54	1.06	School	3.66	3.99	4.28	4.41	4.54	4.68	4.81	5.10	5.43	
60	187.97	4.33	5.44	Student	-0.25	1.48	2.95	3.64	4.33	5.01	5.70	7.18	8.90	
	185.82	4.57	1.06	School	3.68	4.01	4.30	4.43	4.57	4.70	4.84	5.12	5.46	
65	189.94	4.22	5.44	Student	-0.35	1.37	2.85	3.54	4.22	4.91	5.60	7.08	8.80	
	186.67	4.59	1.06	School	3.70	4.04	4.32	4.46	4.59	4.72	4.86	5.15	5.48	
70	192.02	4.12	5.44	Student	-0.46	1.27	2.74	3.43	4.12	4.80	5.49	6.97	8.69	
	187.57	4.62	1.06	School	3.73	4.06	4.35	4.48	4.62	4.75	4.88	5.17	5.51	
75	194.27	4.00	5.44	Student	-0.57	1.15	2.62	3.32	4.00	4.68	5.38	6.85	8.58	
	188.55	4.64	1.06	School	3.75	4.09	4.38	4.51	4.64	4.78	4.91	5.20	5.53	
80	196.78	3.87	5.44	Student	-0.70	1.02	2.50	3.19	3.87	4.56	5.25	6.72	8.45	
	189.63	4.67	1.06	School	3.78	4.12	4.41	4.54	4.67	4.81	4.94	5.23	5.56	
85	199.69	3.72	5.44	Student	-0.85	0.87	2.35	3.04	3.72	4.41	5.10	6.57	8.30	
	190.90	4.71	1.06	School	3.82	4.16	4.44	4.58	4.71	4.84	4.98	5.26	5.60	
90	203.36	3.53	5.44	Student	-1.04	0.68	2.16	2.85	3.53	4.22	4.91	6.38	8.11	
	192.49	4.75	1.06	School	3.86	4.20	4.49	4.62	4.75	4.89	5.02	5.31	5.64	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.17: Reading Grade 3 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	163.32	14.57	6.16	Student	9.39	11.34	13.01	13.79	14.57	15.34	16.13	17.80	19.75
	175.27	12.15	1.60	School	10.80	11.31	11.74	11.95	12.15	12.35	12.56	12.99	13.50
20	170.35	13.62	6.16	Student	8.44	10.39	12.06	12.85	13.62	14.39	15.18	16.85	18.80
	178.20	12.03	1.60	School	10.68	11.19	11.62	11.83	12.03	12.23	12.44	12.87	13.38
25	173.02	13.26	6.16	Student	8.08	10.03	11.70	12.49	13.26	14.03	14.82	16.49	18.44
	179.31	11.99	1.60	School	10.64	11.15	11.58	11.78	11.99	12.19	12.39	12.83	13.34
30	175.42	12.94	6.16	Student	7.75	9.71	11.38	12.16	12.94	13.71	14.50	16.16	18.12
	180.31	11.95	1.60	School	10.60	11.11	11.54	11.74	11.95	12.15	12.35	12.79	13.30
35	177.64	12.64	6.16	Student	7.46	9.41	11.08	11.86	12.64	13.41	14.20	15.86	17.82
	181.23	11.91	1.60	School	10.56	11.07	11.50	11.71	11.91	12.11	12.32	12.75	13.26
40	179.75	12.35	6.16	Student	7.17	9.12	10.79	11.58	12.35	13.13	13.91	15.58	17.53
	182.11	11.87	1.60	School	10.52	11.03	11.47	11.67	11.87	12.08	12.28	12.72	13.22
45	181.79	12.08	6.16	Student	6.90	8.85	10.52	11.30	12.08	12.85	13.64	15.30	17.26
	182.96	11.84	1.60	School	10.49	11.00	11.43	11.64	11.84	12.04	12.25	12.68	13.19
48	183.00	11.91	6.16	Student	6.73	8.69	10.35	11.14	11.91	12.69	13.47	15.14	17.09
	183.46	11.82	1.60	School	10.47	10.98	11.41	11.62	11.82	12.02	12.23	12.66	13.17
50	183.80	11.81	6.16	Student	6.62	8.58	10.25	11.03	11.81	12.58	13.37	15.03	16.99
	183.80	11.81	1.60	School	10.46	10.96	11.40	11.60	11.81	12.01	12.21	12.65	13.16
52	184.60	11.70	6.16	Student	6.52	8.47	10.14	10.92	11.70	12.47	13.26	14.93	16.88
	184.13	11.79	1.60	School	10.44	10.95	11.39	11.59	11.79	11.99	12.20	12.63	13.14
55	185.81	11.54	6.16	Student	6.35	8.31	9.98	10.76	11.54	12.31	13.09	14.76	16.72
	184.63	11.77	1.60	School	10.42	10.93	11.37	11.57	11.77	11.97	12.18	12.61	13.12
60	187.85	11.26	6.16	Student	6.08	8.03	9.70	10.49	11.26	12.03	12.82	14.49	16.44
	185.48	11.74	1.60	School	10.39	10.90	11.33	11.54	11.74	11.94	12.14	12.58	13.09
65	189.96	10.98	6.16	Student	5.79	7.75	9.42	10.20	10.98	11.75	12.54	14.20	16.16
	186.36	11.70	1.60	School	10.35	10.86	11.30	11.50	11.70	11.90	12.11	12.54	13.05
70	192.18	10.68	6.16	Student	5.50	7.45	9.12	9.90	10.68	11.45	12.24	13.90	15.86
	187.29	11.67	1.60	School	10.32	10.82	11.26	11.46	11.67	11.87	12.07	12.51	13.02
75	194.58	10.35	6.16	Student	5.17	7.12	8.79	9.58	10.35	11.13	11.91	13.58	15.53
	188.29	11.63	1.60	School	10.28	10.78	11.22	11.42	11.63	11.83	12.03	12.47	12.98
80	197.25	9.99	6.16	Student	4.81	6.76	8.43	9.22	9.99	10.77	11.55	13.22	15.17
	189.40	11.58	1.60	School	10.23	10.74	11.17	11.38	11.58	11.78	11.99	12.42	12.93
85	200.36	9.57	6.16	Student	4.39	6.34	8.01	8.80	9.57	10.35	11.13	12.80	14.75
	190.70	11.53	1.60	School	10.18	10.69	11.12	11.33	11.53	11.73	11.93	12.37	12.88
90	204.28	9.04	6.16	Student	3.86	5.82	7.49	8.27	9.04	9.82	10.60	12.27	14.23
	192.33	11.46	1.60	School	10.11	10.62	11.06	11.26	11.46	11.66	11.87	12.30	12.81

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.18: Reading Grade 3 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP	Conditional Growth								
	RIT	Mean	SD		CGI	20	30	40	45	50	55	60	70
10	167.33	13.97	6.71	Student	8.32	10.45	12.27	13.12	13.97	14.81	15.67	17.49	19.62
	179.38	11.09	1.88	School	9.51	10.11	10.62	10.86	11.09	11.33	11.57	12.08	12.68
20	174.47	12.77	6.71	Student	7.12	9.25	11.07	11.92	12.77	13.61	14.47	16.29	18.42
	182.39	10.88	1.88	School	9.30	9.89	10.40	10.64	10.88	11.12	11.36	11.87	12.47
25	177.19	12.31	6.71	Student	6.66	8.79	10.61	11.47	12.31	13.15	14.01	15.83	17.96
	183.53	10.80	1.88	School	9.21	9.81	10.32	10.56	10.80	11.04	11.28	11.79	12.38
30	179.63	11.90	6.71	Student	6.25	8.38	10.20	11.06	11.90	12.74	13.60	15.42	17.55
	184.56	10.73	1.88	School	9.14	9.74	10.25	10.49	10.73	10.96	11.20	11.71	12.31
35	181.89	11.52	6.71	Student	5.87	8.00	9.82	10.68	11.52	12.37	13.22	15.04	17.17
	185.51	10.66	1.88	School	9.07	9.67	10.18	10.42	10.66	10.90	11.14	11.65	12.24
40	184.03	11.16	6.71	Student	5.51	7.64	9.46	10.32	11.16	12.01	12.86	14.68	16.81
	186.41	10.59	1.88	School	9.01	9.61	10.12	10.36	10.59	10.83	11.07	11.58	12.18
45	186.11	10.81	6.71	Student	5.16	7.29	9.11	9.97	10.81	11.66	12.51	14.33	16.46
	187.29	10.53	1.88	School	8.95	9.54	10.06	10.30	10.53	10.77	11.01	11.52	12.12
48	187.33	10.61	6.71	Student	4.96	7.09	8.91	9.76	10.61	11.45	12.31	14.13	16.26
	187.81	10.50	1.88	School	8.91	9.51	10.02	10.26	10.50	10.73	10.97	11.48	12.08
50	188.15	10.47	6.71	Student	4.82	6.95	8.77	9.63	10.47	11.31	12.17	13.99	16.12
	188.15	10.47	1.88	School	8.89	9.48	9.99	10.23	10.47	10.71	10.95	11.46	12.06
52	188.96	10.33	6.71	Student	4.68	6.81	8.63	9.49	10.33	11.18	12.03	13.85	15.98
	188.49	10.45	1.88	School	8.86	9.46	9.97	10.21	10.45	10.68	10.92	11.43	12.03
55	190.19	10.13	6.71	Student	4.48	6.61	8.43	9.28	10.13	10.97	11.83	13.65	15.78
	189.01	10.41	1.88	School	8.82	9.42	9.93	10.17	10.41	10.65	10.89	11.40	12.00
60	192.27	9.78	6.71	Student	4.13	6.26	8.08	8.94	9.78	10.62	11.48	13.30	15.43
	189.88	10.35	1.88	School	8.76	9.36	9.87	10.11	10.35	10.58	10.82	11.34	11.93
65	194.41	9.42	6.71	Student	3.77	5.90	7.72	8.58	9.42	10.26	11.12	12.94	15.07
	190.79	10.28	1.88	School	8.70	9.30	9.81	10.05	10.28	10.52	10.76	11.27	11.87
70	196.67	9.04	6.71	Student	3.39	5.52	7.34	8.20	9.04	9.88	10.74	12.56	14.69
	191.74	10.22	1.88	School	8.63	9.23	9.74	9.98	10.22	10.45	10.69	11.20	11.80
75	199.11	8.63	6.71	Student	2.98	5.11	6.93	7.79	8.63	9.48	10.33	12.15	14.28
	192.77	10.14	1.88	School	8.56	9.16	9.67	9.91	10.14	10.38	10.62	11.13	11.73
80	201.82	8.18	6.71	Student	2.53	4.66	6.48	7.33	8.18	9.02	9.88	11.70	13.83
	193.91	10.06	1.88	School	8.48	9.07	9.58	9.82	10.06	10.30	10.54	11.05	11.65
85	204.99	7.64	6.71	Student	1.99	4.12	5.94	6.80	7.64	8.49	9.35	11.16	13.29
	195.25	9.97	1.88	School	8.38	8.98	9.49	9.73	9.97	10.20	10.44	10.95	11.55
90	208.97	6.98	6.71	Student	1.33	3.46	5.28	6.13	6.98	7.82	8.68	10.50	12.63
	196.92	9.85	1.88	School	8.26	8.86	9.37	9.61	9.85	10.08	10.32	10.84	11.43

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.19: Reading Grade 3 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	167.98	11.53	7.40	Student	5.30	7.65	9.66	10.60	11.53	12.46	13.41	15.41	17.76
	179.70	9.82	2.05	School	8.10	8.75	9.31	9.57	9.82	10.08	10.34	10.90	11.54
20	174.95	10.98	7.40	Student	4.75	7.10	9.10	10.05	10.98	11.91	12.85	14.86	17.21
	182.65	9.86	2.05	School	8.14	8.78	9.34	9.60	9.86	10.11	10.37	10.93	11.58
25	177.60	10.77	7.40	Student	4.54	6.89	8.89	9.84	10.77	11.70	12.64	14.65	17.00
	183.77	9.87	2.05	School	8.15	8.80	9.35	9.61	9.87	10.13	10.39	10.94	11.59
30	179.98	10.58	7.40	Student	4.35	6.70	8.70	9.65	10.58	11.51	12.46	14.46	16.81
	184.77	9.88	2.05	School	8.16	8.81	9.36	9.62	9.88	10.14	10.40	10.95	11.60
35	182.18	10.40	7.40	Student	4.18	6.52	8.53	9.47	10.40	11.33	12.28	14.29	16.63
	185.71	9.89	2.05	School	8.17	8.82	9.37	9.63	9.89	10.15	10.41	10.96	11.61
40	184.27	10.24	7.40	Student	4.01	6.36	8.36	9.31	10.24	11.17	12.11	14.12	16.47
	186.59	9.90	2.05	School	8.18	8.83	9.38	9.64	9.90	10.16	10.42	10.97	11.62
45	186.30	10.08	7.40	Student	3.85	6.20	8.20	9.15	10.08	11.01	11.95	13.96	16.31
	187.45	9.91	2.05	School	8.19	8.84	9.39	9.65	9.91	10.17	10.43	10.98	11.63
48	187.49	9.98	7.40	Student	3.75	6.10	8.11	9.05	9.98	10.91	11.86	13.86	16.21
	187.95	9.92	2.05	School	8.19	8.84	9.40	9.66	9.92	10.17	10.43	10.99	11.64
50	188.29	9.92	7.40	Student	3.69	6.04	8.04	8.99	9.92	10.85	11.80	13.80	16.15
	188.29	9.92	2.05	School	8.20	8.85	9.40	9.66	9.92	10.18	10.44	10.99	11.64
52	189.08	9.86	7.40	Student	3.63	5.97	7.98	8.93	9.86	10.79	11.73	13.74	16.09
	188.63	9.92	2.05	School	8.20	8.85	9.41	9.67	9.92	10.18	10.44	11.00	11.64
55	190.28	9.76	7.40	Student	3.53	5.88	7.89	8.83	9.76	10.69	11.64	13.64	15.99
	189.13	9.93	2.05	School	8.21	8.86	9.41	9.67	9.93	10.19	10.45	11.00	11.65
60	192.31	9.60	7.40	Student	3.37	5.72	7.73	8.67	9.60	10.53	11.48	13.48	15.83
	189.99	9.94	2.05	School	8.22	8.87	9.42	9.68	9.94	10.20	10.46	11.01	11.66
65	194.40	9.43	7.40	Student	3.21	5.55	7.56	8.50	9.43	10.36	11.31	13.32	15.66
	190.87	9.95	2.05	School	8.23	8.88	9.43	9.69	9.95	10.21	10.47	11.02	11.67
70	196.60	9.26	7.40	Student	3.03	5.38	7.38	8.33	9.26	10.19	11.13	13.14	15.49
	191.81	9.96	2.05	School	8.24	8.89	9.44	9.70	9.96	10.22	10.48	11.03	11.68
75	198.98	9.07	7.40	Student	2.84	5.19	7.20	8.14	9.07	10.00	10.95	12.95	15.30
	192.81	9.97	2.05	School	8.25	8.90	9.45	9.71	9.97	10.23	10.49	11.04	11.69
80	201.63	8.86	7.40	Student	2.63	4.98	6.99	7.93	8.86	9.79	10.74	12.74	15.09
	193.93	9.98	2.05	School	8.26	8.91	9.46	9.73	9.98	10.24	10.50	11.06	11.70
85	204.72	8.62	7.40	Student	2.39	4.73	6.74	7.68	8.62	9.55	10.49	12.50	14.84
	195.24	10.00	2.05	School	8.28	8.93	9.48	9.74	10.00	10.25	10.52	11.07	11.72
90	208.60	8.31	7.40	Student	2.08	4.42	6.43	7.38	8.31	9.24	10.18	12.19	14.54
	196.88	10.02	2.05	School	8.29	8.94	9.50	9.76	10.02	10.27	10.53	11.09	11.74

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.20: Reading Grade 3 From Fall To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	167.98	13.60	7.15	Student	7.59	9.85	11.79	12.70	13.60	14.50	15.41	17.35	19.62
	179.70	10.82	2.02	School	9.13	9.77	10.31	10.57	10.82	11.08	11.34	11.88	12.52
20	174.95	12.48	7.15	Student	6.46	8.73	10.67	11.58	12.48	13.38	14.29	16.23	18.49
	182.65	10.66	2.02	School	8.96	9.60	10.14	10.40	10.66	10.91	11.17	11.71	12.35
25	177.60	12.05	7.15	Student	6.04	8.30	10.24	11.15	12.05	12.95	13.86	15.80	18.07
	183.77	10.59	2.02	School	8.89	9.53	10.08	10.34	10.59	10.84	11.10	11.65	12.29
30	179.98	11.67	7.15	Student	5.65	7.92	9.86	10.77	11.67	12.57	13.48	15.42	17.69
	184.77	10.53	2.02	School	8.83	9.47	10.02	10.28	10.53	10.79	11.04	11.59	12.23
35	182.18	11.31	7.15	Student	5.30	7.57	9.50	10.42	11.31	12.21	13.13	15.06	17.33
	185.71	10.48	2.02	School	8.78	9.42	9.97	10.23	10.48	10.73	10.99	11.54	12.18
40	184.27	10.98	7.15	Student	4.96	7.23	9.17	10.08	10.98	11.88	12.79	14.73	16.99
	186.59	10.43	2.02	School	8.73	9.37	9.92	10.17	10.43	10.68	10.94	11.49	12.13
45	186.30	10.65	7.15	Student	4.64	6.90	8.84	9.75	10.65	11.55	12.46	14.40	16.67
	187.45	10.38	2.02	School	8.68	9.32	9.87	10.13	10.38	10.63	10.89	11.44	12.08
48	187.49	10.46	7.15	Student	4.44	6.71	8.65	9.56	10.46	11.36	12.27	14.21	16.47
	187.95	10.35	2.02	School	8.65	9.29	9.84	10.10	10.35	10.60	10.86	11.41	12.05
50	188.29	10.33	7.15	Student	4.32	6.58	8.52	9.43	10.33	11.23	12.14	14.08	16.35
	188.29	10.33	2.02	School	8.63	9.27	9.82	10.08	10.33	10.58	10.84	11.39	12.03
52	189.08	10.20	7.15	Student	4.19	6.45	8.39	9.30	10.20	11.10	12.01	13.95	16.22
	188.63	10.31	2.02	School	8.61	9.25	9.80	10.06	10.31	10.57	10.82	11.37	12.01
55	190.28	10.01	7.15	Student	3.99	6.26	8.20	9.11	10.01	10.91	11.82	13.76	16.03
	189.13	10.28	2.02	School	8.58	9.22	9.77	10.03	10.28	10.54	10.79	11.34	11.98
60	192.31	9.68	7.15	Student	3.67	5.94	7.87	8.79	9.68	10.58	11.49	13.43	15.70
	189.99	10.23	2.02	School	8.53	9.17	9.72	9.98	10.23	10.49	10.74	11.29	11.93
65	194.40	9.35	7.15	Student	3.33	5.60	7.54	8.45	9.35	10.25	11.16	13.10	15.36
	190.87	10.18	2.02	School	8.48	9.12	9.67	9.93	10.18	10.44	10.69	11.24	11.88
70	196.60	8.99	7.15	Student	2.98	5.24	7.18	8.09	8.99	9.89	10.80	12.74	15.01
	191.81	10.13	2.02	School	8.43	9.07	9.62	9.88	10.13	10.38	10.64	11.19	11.83
75	198.98	8.61	7.15	Student	2.59	4.86	6.80	7.71	8.61	9.51	10.42	12.36	14.62
	192.81	10.07	2.02	School	8.37	9.01	9.56	9.82	10.07	10.32	10.58	11.13	11.77
80	201.63	8.18	7.15	Student	2.17	4.43	6.37	7.28	8.18	9.08	9.99	11.93	14.20
	193.93	10.01	2.02	School	8.31	8.95	9.50	9.75	10.01	10.26	10.52	11.06	11.71
85	204.72	7.68	7.15	Student	1.67	3.94	5.87	6.79	7.68	8.58	9.50	11.43	13.70
	195.24	9.93	2.02	School	8.23	8.87	9.42	9.68	9.93	10.19	10.44	10.99	11.63
90	208.60	7.06	7.15	Student	1.04	3.31	5.25	6.16	7.06	7.96	8.87	10.81	13.07
	196.88	9.84	2.02	School	8.14	8.78	9.33	9.58	9.84	10.09	10.35	10.90	11.54

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.21: Reading Grade 3 From Fall To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	167.98	9.56	5.51	Student	4.92	6.67	8.16	8.87	9.56	10.25	10.96	12.45	14.20
	179.70	7.60	1.15	School	6.63	6.99	7.30	7.45	7.60	7.74	7.89	8.20	8.57
20	174.95	8.79	5.51	Student	4.15	5.90	7.39	8.10	8.79	9.48	10.19	11.68	13.43
	182.65	7.50	1.15	School	6.53	6.90	7.21	7.36	7.50	7.65	7.79	8.11	8.47
25	177.60	8.50	5.51	Student	3.86	5.61	7.10	7.80	8.50	9.19	9.89	11.39	13.14
	183.77	7.46	1.15	School	6.49	6.86	7.17	7.32	7.46	7.61	7.76	8.07	8.43
30	179.98	8.23	5.51	Student	3.59	5.34	6.84	7.54	8.23	8.93	9.63	11.13	12.87
	184.77	7.43	1.15	School	6.46	6.83	7.14	7.29	7.43	7.58	7.72	8.04	8.40
35	182.18	7.99	5.51	Student	3.35	5.10	6.59	7.30	7.99	8.68	9.39	10.88	12.63
	185.71	7.40	1.15	School	6.43	6.79	7.11	7.25	7.40	7.54	7.69	8.00	8.37
40	184.27	7.76	5.51	Student	3.12	4.87	6.36	7.07	7.76	8.45	9.16	10.65	12.40
	186.59	7.37	1.15	School	6.40	6.77	7.08	7.23	7.37	7.52	7.66	7.98	8.34
45	186.30	7.54	5.51	Student	2.89	4.64	6.14	6.84	7.54	8.23	8.93	10.43	12.18
	187.45	7.34	1.15	School	6.37	6.74	7.05	7.20	7.34	7.49	7.63	7.95	8.31
48	187.49	7.40	5.51	Student	2.76	4.51	6.01	6.71	7.40	8.10	8.80	10.29	12.04
	187.95	7.33	1.15	School	6.35	6.72	7.03	7.18	7.33	7.47	7.62	7.93	8.30
50	188.29	7.31	5.51	Student	2.67	4.42	5.92	6.62	7.31	8.01	8.71	10.21	11.96
	188.29	7.31	1.15	School	6.34	6.71	7.02	7.17	7.31	7.46	7.61	7.92	8.29
52	189.08	7.23	5.51	Student	2.59	4.34	5.83	6.53	7.23	7.92	8.62	10.12	11.87
	188.63	7.30	1.15	School	6.33	6.70	7.01	7.16	7.30	7.45	7.60	7.91	8.27
55	190.28	7.09	5.51	Student	2.45	4.20	5.70	6.40	7.09	7.79	8.49	9.99	11.74
	189.13	7.29	1.15	School	6.32	6.68	6.99	7.14	7.29	7.43	7.58	7.89	8.26
60	192.31	6.87	5.51	Student	2.23	3.98	5.47	6.18	6.87	7.56	8.27	9.76	11.51
	189.99	7.26	1.15	School	6.29	6.65	6.97	7.11	7.26	7.40	7.55	7.86	8.23
65	194.40	6.64	5.51	Student	2.00	3.75	5.24	5.95	6.64	7.33	8.04	9.53	11.28
	190.87	7.23	1.15	School	6.26	6.62	6.94	7.08	7.23	7.37	7.52	7.83	8.20
70	196.60	6.40	5.51	Student	1.75	3.50	5.00	5.70	6.40	7.09	7.79	9.29	11.04
	191.81	7.20	1.15	School	6.23	6.59	6.91	7.05	7.20	7.34	7.49	7.80	8.17
75	198.98	6.13	5.51	Student	1.49	3.24	4.74	5.44	6.13	6.83	7.53	9.02	10.77
	192.81	7.17	1.15	School	6.20	6.56	6.87	7.02	7.17	7.31	7.46	7.77	8.14
80	201.63	5.84	5.51	Student	1.20	2.95	4.44	5.15	5.84	6.53	7.24	8.73	10.48
	193.93	7.13	1.15	School	6.16	6.52	6.84	6.98	7.13	7.27	7.42	7.73	8.10
85	204.72	5.50	5.51	Student	0.86	2.61	4.10	4.80	5.50	6.19	6.89	8.39	10.14
	195.24	7.09	1.15	School	6.12	6.48	6.79	6.94	7.09	7.23	7.38	7.69	8.06
90	208.60	5.07	5.51	Student	0.43	2.18	3.67	4.37	5.07	5.76	6.46	7.96	9.71
	196.88	7.03	1.15	School	6.06	6.43	6.74	6.89	7.03	7.18	7.32	7.64	8.00

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.22: Reading Grade 3 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	176.21	4.27	5.24	Student	-0.14	1.52	2.94	3.61	4.27	4.93	5.59	7.01	8.67	
	187.16	3.03	0.88	School	2.29	2.57	2.81	2.92	3.03	3.14	3.25	3.49	3.77	
20	182.87	3.84	5.24	Student	-0.57	1.09	2.51	3.18	3.84	4.50	5.16	6.58	8.24	
	190.06	3.03	0.88	School	2.28	2.56	2.80	2.91	3.03	3.14	3.25	3.49	3.77	
25	185.40	3.68	5.24	Student	-0.73	0.93	2.35	3.02	3.68	4.33	5.00	6.42	8.08	
	191.16	3.02	0.88	School	2.28	2.56	2.80	2.91	3.02	3.13	3.25	3.49	3.77	
30	187.67	3.53	5.24	Student	-0.88	0.78	2.20	2.87	3.53	4.19	4.85	6.27	7.93	
	192.15	3.02	0.88	School	2.28	2.56	2.80	2.91	3.02	3.13	3.25	3.48	3.76	
35	189.77	3.39	5.24	Student	-1.01	0.65	2.07	2.73	3.39	4.05	4.72	6.14	7.80	
	193.07	3.02	0.88	School	2.28	2.56	2.80	2.91	3.02	3.13	3.24	3.48	3.76	
40	191.77	3.26	5.24	Student	-1.14	0.52	1.94	2.61	3.26	3.92	4.59	6.01	7.67	
	193.94	3.02	0.88	School	2.28	2.56	2.80	2.91	3.02	3.13	3.24	3.48	3.76	
45	193.70	3.14	5.24	Student	-1.27	0.39	1.81	2.48	3.14	3.80	4.47	5.88	7.54	
	194.78	3.02	0.88	School	2.28	2.56	2.79	2.91	3.02	3.13	3.24	3.48	3.76	
48	194.85	3.07	5.24	Student	-1.34	0.32	1.74	2.41	3.07	3.72	4.39	5.81	7.47	
	195.27	3.02	0.88	School	2.28	2.55	2.79	2.91	3.02	3.13	3.24	3.48	3.76	
50	195.60	3.02	5.24	Student	-1.39	0.27	1.69	2.36	3.02	3.67	4.34	5.76	7.42	
	195.60	3.02	0.88	School	2.27	2.55	2.79	2.91	3.02	3.13	3.24	3.48	3.76	
52	196.36	2.97	5.24	Student	-1.44	0.22	1.64	2.31	2.97	3.62	4.29	5.71	7.37	
	195.93	3.02	0.88	School	2.27	2.55	2.79	2.90	3.02	3.13	3.24	3.48	3.76	
55	197.51	2.89	5.24	Student	-1.51	0.15	1.57	2.24	2.89	3.55	4.22	5.64	7.30	
	196.43	3.01	0.88	School	2.27	2.55	2.79	2.90	3.01	3.13	3.24	3.48	3.76	
60	199.44	2.77	5.24	Student	-1.64	0.02	1.44	2.11	2.77	3.43	4.09	5.51	7.17	
	197.27	3.01	0.88	School	2.27	2.55	2.79	2.90	3.01	3.12	3.24	3.48	3.75	
65	201.44	2.64	5.24	Student	-1.77	-0.11	1.31	1.98	2.64	3.30	3.97	5.38	7.05	
	198.14	3.01	0.88	School	2.27	2.55	2.79	2.90	3.01	3.12	3.24	3.47	3.75	
70	203.54	2.50	5.24	Student	-1.90	-0.24	1.18	1.85	2.50	3.16	3.83	5.25	6.91	
	199.06	3.01	0.88	School	2.27	2.55	2.79	2.90	3.01	3.12	3.23	3.47	3.75	
75	205.81	2.36	5.24	Student	-2.05	-0.39	1.03	1.70	2.36	3.01	3.68	5.10	6.76	
	200.05	3.01	0.88	School	2.27	2.55	2.79	2.90	3.01	3.12	3.23	3.47	3.75	
80	208.34	2.19	5.24	Student	-2.21	-0.55	0.87	1.54	2.19	2.85	3.52	4.94	6.60	
	201.15	3.01	0.88	School	2.27	2.54	2.78	2.90	3.01	3.12	3.23	3.47	3.75	
85	211.29	2.00	5.24	Student	-2.40	-0.74	0.68	1.35	2.00	2.66	3.33	4.75	6.41	
	202.43	3.00	0.88	School	2.26	2.54	2.78	2.89	3.00	3.12	3.23	3.47	3.75	
90	215.00	1.76	5.24	Student	-2.64	-0.98	0.44	1.11	1.76	2.42	3.09	4.51	6.17	
	204.04	3.00	0.88	School	2.26	2.54	2.78	2.89	3.00	3.11	3.22	3.46	3.74	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.23: Reading Grade 4 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	175.19 186.85	10.73 8.69	5.78 1.34	Student School	5.86 7.56	7.70 7.99	9.26 8.35	10.00 8.52	10.73 8.69	11.46 8.86	12.19 9.03	13.76 9.39	15.59 9.82
20	182.09 189.75	9.89 8.55	5.78 1.34	Student School	5.03 7.43	6.86 7.85	8.43 8.21	9.17 8.39	9.89 8.55	10.62 8.72	11.36 8.89	12.93 9.26	14.76 9.68
25	184.71 190.85	9.58 8.50	5.78 1.34	Student School	4.71 7.37	6.55 7.80	8.11 8.16	8.85 8.34	9.58 8.50	10.30 8.67	11.04 8.84	12.61 9.21	14.44 9.63
30	187.07 191.84	9.29 8.46	5.78 1.34	Student School	4.43 7.33	6.26 7.75	7.83 8.12	8.57 8.29	9.29 8.46	10.02 8.63	10.76 8.80	12.32 9.16	14.16 9.59
35	189.25 192.76	9.03 8.42	5.78 1.34	Student School	4.16 7.29	6.00 7.71	7.56 8.08	8.30 8.25	9.03 8.42	9.76 8.58	10.49 8.76	12.06 9.12	13.89 9.55
40	191.32 193.63	8.78 8.38	5.78 1.34	Student School	3.91 7.25	5.75 7.67	7.31 8.04	8.05 8.21	8.78 8.38	9.50 8.54	10.24 8.72	11.81 9.08	13.64 9.50
45	193.33 194.47	8.54 8.34	5.78 1.34	Student School	3.67 7.21	5.51 7.63	7.07 8.00	7.81 8.17	8.54 8.34	9.26 8.51	10.00 8.68	11.57 9.04	13.40 9.47
48	194.51 194.97	8.39 8.31	5.78 1.34	Student School	3.53 7.18	5.36 7.61	6.93 7.97	7.67 8.14	8.39 8.31	9.12 8.48	9.86 8.65	11.42 9.02	13.26 9.44
50	195.30 195.30	8.30 8.30	5.78 1.34	Student School	3.43 7.17	5.27 7.59	6.83 7.96	7.57 8.13	8.30 8.30	9.02 8.47	9.76 8.64	11.33 9.00	13.16 9.43
52	196.08 195.63	8.20 8.28	5.78 1.34	Student School	3.34 7.15	5.17 7.58	6.74 7.94	7.48 8.11	8.20 8.28	8.93 8.45	9.67 8.62	11.23 8.99	13.07 9.41
55	197.27 196.13	8.06 8.26	5.78 1.34	Student School	3.20 7.13	5.03 7.56	6.60 7.92	7.33 8.09	8.06 8.26	8.79 8.43	9.52 8.60	11.09 8.96	12.92 9.39
60	199.27 196.97	7.82 8.22	5.78 1.34	Student School	2.95 7.09	4.79 7.52	6.35 7.88	7.09 8.05	7.82 8.22	8.54 8.39	9.28 8.56	10.85 8.92	12.68 9.35
65	201.34 197.84	7.57 8.18	5.78 1.34	Student School	2.70 7.05	4.54 7.48	6.10 7.84	6.84 8.01	7.57 8.18	8.29 8.35	9.03 8.52	10.60 8.88	12.43 9.31
70	203.53 198.75	7.30 8.14	5.78 1.34	Student School	2.44 7.01	4.27 7.43	5.84 7.80	6.58 7.97	7.30 8.14	8.03 8.31	8.77 8.48	10.33 8.84	12.17 9.27
75	205.88 199.74	7.02 8.09	5.78 1.34	Student School	2.15 6.96	3.99 7.39	5.55 7.75	6.29 7.92	7.02 8.09	7.75 8.26	8.48 8.43	10.05 8.80	11.88 9.22
80	208.50 200.85	6.70 8.04	5.78 1.34	Student School	1.84 6.91	3.67 7.34	5.24 7.70	5.98 7.87	6.70 8.04	7.43 8.21	8.17 8.38	9.73 8.75	11.57 9.17
85	211.56 202.13	6.33 7.98	5.78 1.34	Student School	1.47 6.85	3.30 7.28	4.87 7.64	5.61 7.81	6.33 7.98	7.06 8.15	7.80 8.32	9.36 8.69	11.20 9.11
90	215.41 203.75	5.87 7.91	5.78 1.34	Student School	1.00 6.78	2.84 7.20	4.40 7.57	5.14 7.74	5.87 7.91	6.59 8.08	7.33 8.25	8.90 8.61	10.73 9.04

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.24: Reading Grade 4 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20	30	40	45	50	55	60	70	80
10	177.92	10.71	6.36	Student	5.36	7.38	9.10	9.91	10.71	11.51	12.32	14.05	16.06
	189.67	8.23	1.65	School	6.83	7.36	7.81	8.02	8.23	8.43	8.64	9.09	9.62
20	184.95	9.62	6.36	Student	4.27	6.29	8.01	8.82	9.62	10.42	11.23	12.96	14.97
	192.66	7.99	1.65	School	6.60	7.12	7.57	7.78	7.99	8.20	8.41	8.86	9.38
25	187.62	9.21	6.36	Student	3.85	5.87	7.60	8.41	9.21	10.01	10.82	12.54	14.56
	193.80	7.90	1.65	School	6.51	7.03	7.48	7.69	7.90	8.11	8.32	8.77	9.29
30	190.01	8.84	6.36	Student	3.48	5.50	7.22	8.04	8.84	9.63	10.45	12.17	14.19
	194.82	7.82	1.65	School	6.43	6.95	7.40	7.61	7.82	8.03	8.24	8.69	9.21
35	192.23	8.49	6.36	Student	3.14	5.16	6.88	7.69	8.49	9.29	10.10	11.83	13.84
	195.77	7.74	1.65	School	6.35	6.88	7.33	7.54	7.74	7.95	8.16	8.61	9.14
40	194.34	8.16	6.36	Student	2.81	4.83	6.55	7.36	8.16	8.96	9.78	11.50	13.52
	196.66	7.67	1.65	School	6.28	6.81	7.25	7.47	7.67	7.88	8.09	8.54	9.06
45	196.38	7.85	6.36	Student	2.49	4.51	6.24	7.05	7.85	8.65	9.46	11.18	13.20
	197.53	7.60	1.65	School	6.21	6.74	7.19	7.40	7.60	7.81	8.02	8.47	9.00
48	197.59	7.66	6.36	Student	2.31	4.33	6.05	6.86	7.66	8.46	9.27	11.00	13.01
	198.05	7.56	1.65	School	6.17	6.70	7.14	7.36	7.56	7.77	7.98	8.43	8.96
50	198.39	7.54	6.36	Student	2.18	4.20	5.93	6.74	7.54	8.34	9.15	10.87	12.89
	198.39	7.54	1.65	School	6.15	6.67	7.12	7.33	7.54	7.74	7.96	8.40	8.93
52	199.19	7.41	6.36	Student	2.06	4.08	5.80	6.61	7.41	8.21	9.02	10.75	12.77
	198.73	7.51	1.65	School	6.12	6.64	7.09	7.30	7.51	7.72	7.93	8.38	8.90
55	200.39	7.23	6.36	Student	1.87	3.89	5.61	6.43	7.23	8.02	8.84	10.56	12.58
	199.24	7.47	1.65	School	6.08	6.60	7.05	7.26	7.47	7.68	7.89	8.34	8.86
60	202.43	6.91	6.36	Student	1.56	3.57	5.30	6.11	6.91	7.71	8.52	10.25	12.26
	200.11	7.40	1.65	School	6.01	6.53	6.98	7.19	7.40	7.61	7.82	8.27	8.79
65	204.54	6.58	6.36	Student	1.23	3.25	4.97	5.78	6.58	7.38	8.19	9.92	11.94
	201.01	7.33	1.65	School	5.94	6.46	6.91	7.12	7.33	7.54	7.75	8.20	8.72
70	206.76	6.24	6.36	Student	0.88	2.90	4.63	5.44	6.24	7.04	7.85	9.57	11.59
	201.96	7.25	1.65	School	5.86	6.39	6.84	7.05	7.25	7.46	7.67	8.12	8.65
75	209.16	5.87	6.36	Student	0.51	2.53	4.25	5.07	5.87	6.67	7.48	9.20	11.22
	202.98	7.17	1.65	School	5.78	6.31	6.76	6.97	7.17	7.38	7.59	8.04	8.57
80	211.83	5.45	6.36	Student	0.10	2.12	3.84	4.65	5.45	6.25	7.06	8.79	10.81
	204.11	7.08	1.65	School	5.69	6.22	6.67	6.88	7.08	7.29	7.50	7.95	8.48
85	214.94	4.97	6.36	Student	-0.38	1.63	3.36	4.17	4.97	5.77	6.58	8.31	10.32
	205.44	6.98	1.65	School	5.59	6.11	6.56	6.77	6.98	7.19	7.40	7.85	8.37
90	218.86	4.36	6.36	Student	-0.99	1.03	2.75	3.56	4.36	5.16	5.97	7.70	9.72
	207.11	6.85	1.65	School	5.46	5.98	6.43	6.64	6.85	7.06	7.27	7.71	8.24

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.25: Reading Grade 4 From Fall To N Fall Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	178.26	8.84	6.68	Student	3.22	5.34	7.15	8.00	8.84	9.68	10.53	12.34	14.46	
	189.85	7.37	1.56	School	6.05	6.55	6.97	7.17	7.37	7.56	7.76	8.19	8.68	
20	185.09	8.36	6.68	Student	2.73	4.85	6.66	7.52	8.36	9.20	10.05	11.86	13.98	
	192.70	7.39	1.56	School	6.08	6.57	6.99	7.19	7.39	7.59	7.79	8.21	8.71	
25	187.69	8.17	6.68	Student	2.55	4.67	6.48	7.33	8.17	9.01	9.87	11.68	13.80	
	193.79	7.40	1.56	School	6.08	6.58	7.00	7.20	7.40	7.60	7.79	8.22	8.71	
30	190.02	8.01	6.68	Student	2.38	4.50	6.32	7.17	8.01	8.85	9.70	11.51	13.63	
	194.76	7.41	1.56	School	6.09	6.59	7.01	7.21	7.41	7.60	7.80	8.23	8.72	
35	192.18	7.86	6.68	Student	2.23	4.35	6.16	7.02	7.86	8.70	9.55	11.36	13.48	
	195.66	7.41	1.56	School	6.10	6.59	7.02	7.22	7.41	7.61	7.81	8.23	8.73	
40	194.23	7.71	6.68	Student	2.09	4.21	6.02	6.87	7.71	8.55	9.40	11.22	13.34	
	196.52	7.42	1.56	School	6.11	6.60	7.02	7.22	7.42	7.62	7.82	8.24	8.74	
45	196.21	7.57	6.68	Student	1.95	4.07	5.88	6.73	7.57	8.41	9.26	11.08	13.20	
	197.35	7.43	1.56	School	6.11	6.61	7.03	7.23	7.43	7.62	7.82	8.25	8.74	
48	197.38	7.49	6.68	Student	1.86	3.98	5.80	6.65	7.49	8.33	9.18	10.99	13.11	
	197.84	7.43	1.56	School	6.12	6.61	7.04	7.23	7.43	7.63	7.83	8.25	8.75	
50	198.16	7.43	6.68	Student	1.81	3.93	5.74	6.59	7.43	8.27	9.13	10.94	13.06	
	198.16	7.43	1.56	School	6.12	6.61	7.04	7.24	7.43	7.63	7.83	8.25	8.75	
52	198.94	7.38	6.68	Student	1.75	3.87	5.69	6.54	7.38	8.22	9.07	10.88	13.00	
	198.49	7.44	1.56	School	6.12	6.62	7.04	7.24	7.44	7.63	7.83	8.26	8.75	
55	200.11	7.30	6.68	Student	1.67	3.79	5.60	6.46	7.30	8.14	8.99	10.80	12.92	
	198.98	7.44	1.56	School	6.13	6.62	7.04	7.24	7.44	7.64	7.84	8.26	8.76	
60	202.10	7.16	6.68	Student	1.53	3.65	5.46	6.32	7.16	8.00	8.85	10.66	12.78	
	199.80	7.45	1.56	School	6.13	6.63	7.05	7.25	7.45	7.64	7.84	8.27	8.76	
65	204.15	7.01	6.68	Student	1.39	3.51	5.32	6.17	7.01	7.85	8.70	10.52	12.64	
	200.66	7.45	1.56	School	6.14	6.63	7.06	7.26	7.45	7.65	7.85	8.27	8.77	
70	206.31	6.86	6.68	Student	1.23	3.35	5.17	6.02	6.86	7.70	8.55	10.36	12.48	
	201.56	7.46	1.56	School	6.15	6.64	7.07	7.26	7.46	7.66	7.86	8.28	8.78	
75	208.64	6.69	6.68	Student	1.07	3.19	5.00	5.85	6.69	7.53	8.39	10.20	12.32	
	202.54	7.47	1.56	School	6.15	6.65	7.07	7.27	7.47	7.66	7.86	8.29	8.78	
80	211.23	6.51	6.68	Student	0.89	3.01	4.82	5.67	6.51	7.35	8.20	10.01	12.13	
	203.62	7.48	1.56	School	6.16	6.66	7.08	7.28	7.48	7.67	7.87	8.30	8.79	
85	214.26	6.30	6.68	Student	0.67	2.79	4.60	5.46	6.30	7.14	7.99	9.80	11.92	
	204.88	7.49	1.56	School	6.17	6.67	7.09	7.29	7.49	7.68	7.88	8.31	8.80	
90	218.07	6.03	6.68	Student	0.40	2.52	4.33	5.19	6.03	6.87	7.72	9.53	11.65	
	206.47	7.50	1.56	School	6.19	6.68	7.10	7.30	7.50	7.70	7.90	8.32	8.81	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.26: Reading Grade 4 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20	30	40	45	50	55	60	70	80
10	178.26	10.58	6.69	Student	4.95	7.07	8.89	9.74	10.58	11.42	12.28	14.09	16.22
	189.85	8.05	1.66	School	6.65	7.18	7.63	7.84	8.05	8.26	8.47	8.92	9.45
20	185.09	9.61	6.69	Student	3.98	6.10	7.92	8.77	9.61	10.46	11.31	13.12	15.25
	192.70	7.95	1.66	School	6.55	7.08	7.53	7.74	7.95	8.16	8.37	8.82	9.35
25	187.69	9.25	6.69	Student	3.61	5.74	7.55	8.41	9.25	10.09	10.94	12.76	14.88
	193.79	7.91	1.66	School	6.51	7.04	7.49	7.70	7.91	8.12	8.33	8.79	9.31
30	190.02	8.92	6.69	Student	3.28	5.41	7.22	8.08	8.92	9.76	10.61	12.43	14.55
	194.76	7.88	1.66	School	6.48	7.01	7.46	7.67	7.88	8.09	8.30	8.75	9.28
35	192.18	8.61	6.69	Student	2.98	5.10	6.91	7.77	8.61	9.45	10.31	12.12	14.24
	195.66	7.85	1.66	School	6.45	6.98	7.43	7.64	7.85	8.06	8.27	8.72	9.25
40	194.23	8.32	6.69	Student	2.69	4.81	6.62	7.48	8.32	9.16	10.02	11.83	13.95
	196.52	7.82	1.66	School	6.42	6.95	7.40	7.61	7.82	8.03	8.24	8.69	9.22
45	196.21	8.04	6.69	Student	2.41	4.53	6.34	7.20	8.04	8.88	9.74	11.55	13.67
	197.35	7.79	1.66	School	6.39	6.92	7.37	7.58	7.79	8.00	8.21	8.66	9.19
48	197.38	7.87	6.69	Student	2.24	4.36	6.18	7.03	7.87	8.71	9.57	11.38	13.51
	197.84	7.77	1.66	School	6.37	6.90	7.35	7.57	7.77	7.98	8.20	8.65	9.17
50	198.16	7.76	6.69	Student	2.13	4.25	6.07	6.92	7.76	8.60	9.46	11.27	13.40
	198.16	7.76	1.66	School	6.36	6.89	7.34	7.55	7.76	7.97	8.18	8.64	9.16
52	198.94	7.65	6.69	Student	2.02	4.14	5.96	6.81	7.65	8.49	9.35	11.16	13.29
	198.49	7.75	1.66	School	6.35	6.88	7.33	7.54	7.75	7.96	8.17	8.62	9.15
55	200.11	7.49	6.69	Student	1.85	3.98	5.79	6.65	7.49	8.33	9.18	11.00	13.12
	198.98	7.73	1.66	School	6.33	6.86	7.31	7.53	7.73	7.94	8.16	8.61	9.14
60	202.10	7.21	6.69	Student	1.57	3.70	5.51	6.36	7.21	8.05	8.90	10.72	12.84
	199.80	7.71	1.66	School	6.31	6.83	7.28	7.50	7.71	7.92	8.13	8.58	9.11
65	204.15	6.92	6.69	Student	1.28	3.40	5.22	6.07	6.92	7.76	8.61	10.43	12.55
	200.66	7.68	1.66	School	6.28	6.80	7.26	7.47	7.68	7.89	8.10	8.55	9.08
70	206.31	6.61	6.69	Student	0.98	3.10	4.91	5.77	6.61	7.45	8.30	10.12	12.24
	201.56	7.65	1.66	School	6.25	6.77	7.22	7.44	7.65	7.86	8.07	8.52	9.05
75	208.64	6.28	6.69	Student	0.65	2.77	4.58	5.44	6.28	7.12	7.97	9.79	11.91
	202.54	7.61	1.66	School	6.21	6.74	7.19	7.40	7.61	7.82	8.03	8.49	9.01
80	211.23	5.91	6.69	Student	0.28	2.40	4.22	5.07	5.91	6.75	7.61	9.42	11.54
	203.62	7.58	1.66	School	6.18	6.70	7.15	7.37	7.58	7.78	8.00	8.45	8.98
85	214.26	5.48	6.69	Student	-0.15	1.97	3.79	4.64	5.48	6.32	7.18	8.99	11.12
	204.88	7.53	1.66	School	6.13	6.66	7.11	7.32	7.53	7.74	7.95	8.40	8.93
90	218.07	4.94	6.69	Student	-0.69	1.43	3.25	4.10	4.94	5.78	6.64	8.45	10.58
	206.47	7.48	1.66	School	6.08	6.60	7.06	7.27	7.48	7.69	7.90	8.35	8.88

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.27: Reading Grade 4 From Fall To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	178.26	7.43	5.33	Student	2.94	4.63	6.08	6.76	7.43	8.10	8.78	10.23	11.92
	189.85	5.60	0.95	School	4.80	5.10	5.36	5.48	5.60	5.72	5.84	6.10	6.40
20	185.09	6.74	5.33	Student	2.26	3.95	5.39	6.07	6.74	7.41	8.10	9.54	11.23
	192.70	5.54	0.95	School	4.74	5.04	5.30	5.42	5.54	5.66	5.78	6.04	6.34
25	187.69	6.48	5.33	Student	1.99	3.69	5.13	5.81	6.48	7.15	7.84	9.28	10.97
	193.79	5.52	0.95	School	4.72	5.02	5.28	5.40	5.52	5.64	5.76	6.02	6.32
30	190.02	6.25	5.33	Student	1.76	3.45	4.90	5.58	6.25	6.92	7.60	9.05	10.74
	194.76	5.50	0.95	School	4.70	5.00	5.26	5.38	5.50	5.62	5.74	6.00	6.30
35	192.18	6.03	5.33	Student	1.54	3.24	4.68	5.36	6.03	6.70	7.39	8.83	10.52
	195.66	5.48	0.95	School	4.68	4.98	5.24	5.36	5.48	5.60	5.72	5.98	6.28
40	194.23	5.83	5.33	Student	1.34	3.03	4.48	5.16	5.83	6.50	7.18	8.63	10.32
	196.52	5.47	0.95	School	4.67	4.97	5.22	5.35	5.47	5.59	5.71	5.96	6.27
45	196.21	5.63	5.33	Student	1.14	2.83	4.28	4.96	5.63	6.30	6.98	8.43	10.12
	197.35	5.45	0.95	School	4.65	4.95	5.21	5.33	5.45	5.57	5.69	5.95	6.25
48	197.38	5.51	5.33	Student	1.02	2.71	4.16	4.84	5.51	6.18	6.86	8.31	10.00
	197.84	5.44	0.95	School	4.64	4.94	5.20	5.32	5.44	5.56	5.68	5.94	6.24
50	198.16	5.43	5.33	Student	0.94	2.64	4.08	4.76	5.43	6.10	6.78	8.23	9.92
	198.16	5.43	0.95	School	4.63	4.93	5.19	5.31	5.43	5.55	5.67	5.93	6.23
52	198.94	5.36	5.33	Student	0.87	2.56	4.00	4.69	5.36	6.03	6.71	8.15	9.84
	198.49	5.43	0.95	School	4.63	4.93	5.19	5.31	5.43	5.55	5.67	5.93	6.23
55	200.11	5.24	5.33	Student	0.75	2.44	3.89	4.57	5.24	5.91	6.59	8.03	9.73
	198.98	5.42	0.95	School	4.62	4.92	5.18	5.30	5.42	5.54	5.66	5.92	6.22
60	202.10	5.04	5.33	Student	0.55	2.24	3.69	4.37	5.04	5.71	6.39	7.84	9.53
	199.80	5.40	0.95	School	4.60	4.90	5.16	5.28	5.40	5.52	5.64	5.90	6.20
65	204.15	4.83	5.33	Student	0.34	2.04	3.48	4.16	4.83	5.50	6.18	7.63	9.32
	200.66	5.38	0.95	School	4.58	4.89	5.14	5.26	5.38	5.50	5.63	5.88	6.18
70	206.31	4.62	5.33	Student	0.13	1.82	3.27	3.95	4.62	5.29	5.97	7.41	9.11
	201.56	5.37	0.95	School	4.57	4.87	5.13	5.25	5.37	5.49	5.61	5.87	6.17
75	208.64	4.38	5.33	Student	-0.11	1.59	3.03	3.71	4.38	5.05	5.73	7.18	8.87
	202.54	5.35	0.95	School	4.55	4.85	5.11	5.23	5.35	5.47	5.59	5.85	6.15
80	211.23	4.12	5.33	Student	-0.37	1.33	2.77	3.45	4.12	4.79	5.47	6.92	8.61
	203.62	5.33	0.95	School	4.53	4.83	5.09	5.21	5.33	5.45	5.57	5.83	6.13
85	214.26	3.82	5.33	Student	-0.67	1.02	2.47	3.15	3.82	4.49	5.17	6.62	8.31
	204.88	5.30	0.95	School	4.50	4.80	5.06	5.18	5.30	5.42	5.54	5.80	6.10
90	218.07	3.44	5.33	Student	-1.05	0.64	2.09	2.77	3.44	4.11	4.79	6.23	7.93
	206.47	5.27	0.95	School	4.47	4.77	5.03	5.15	5.27	5.39	5.51	5.77	6.07

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.28: Reading Grade 4 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		20	30	40	45	50	55	60	70	80	
10	184.43	3.53	5.10	Student	-0.76	0.86	2.24	2.89	3.53	4.17	4.83	6.21	7.83	
	195.36	2.32	0.72	School	1.71	1.94	2.13	2.22	2.32	2.41	2.50	2.69	2.92	
20	191.01	3.12	5.10	Student	-1.17	0.44	1.83	2.48	3.12	3.76	4.41	5.79	7.41	
	198.18	2.32	0.72	School	1.71	1.94	2.14	2.23	2.32	2.41	2.50	2.70	2.93	
25	193.51	2.96	5.10	Student	-1.33	0.29	1.67	2.32	2.96	3.60	4.26	5.64	7.26	
	199.26	2.32	0.72	School	1.72	1.94	2.14	2.23	2.32	2.41	2.50	2.70	2.93	
30	195.75	2.82	5.10	Student	-1.47	0.15	1.53	2.18	2.82	3.46	4.11	5.50	7.11	
	200.22	2.32	0.72	School	1.72	1.95	2.14	2.23	2.32	2.41	2.51	2.70	2.93	
35	197.83	2.69	5.10	Student	-1.60	0.02	1.40	2.05	2.69	3.33	3.98	5.37	6.98	
	201.12	2.33	0.72	School	1.72	1.95	2.14	2.23	2.33	2.42	2.51	2.70	2.93	
40	199.81	2.57	5.10	Student	-1.73	-0.11	1.28	1.93	2.57	3.21	3.86	5.24	6.86	
	201.97	2.33	0.72	School	1.72	1.95	2.14	2.24	2.33	2.42	2.51	2.70	2.93	
45	201.72	2.45	5.10	Student	-1.85	-0.23	1.16	1.81	2.45	3.09	3.74	5.12	6.74	
	202.79	2.33	0.72	School	1.72	1.95	2.15	2.24	2.33	2.42	2.51	2.71	2.93	
48	202.85	2.38	5.10	Student	-1.92	-0.30	1.08	1.74	2.38	3.02	3.67	5.05	6.67	
	203.27	2.33	0.72	School	1.72	1.95	2.15	2.24	2.33	2.42	2.51	2.71	2.93	
50	203.60	2.33	5.10	Student	-1.96	-0.35	1.04	1.69	2.33	2.97	3.62	5.00	6.62	
	203.60	2.33	0.72	School	1.72	1.95	2.15	2.24	2.33	2.42	2.51	2.71	2.94	
52	204.35	2.28	5.10	Student	-2.01	-0.39	0.99	1.64	2.28	2.92	3.57	4.96	6.58	
	203.92	2.33	0.72	School	1.72	1.95	2.15	2.24	2.33	2.42	2.51	2.71	2.94	
55	205.47	2.21	5.10	Student	-2.08	-0.46	0.92	1.57	2.21	2.85	3.50	4.89	6.50	
	204.40	2.33	0.72	School	1.72	1.95	2.15	2.24	2.33	2.42	2.51	2.71	2.94	
60	207.38	2.09	5.10	Student	-2.20	-0.58	0.80	1.45	2.09	2.73	3.38	4.77	6.38	
	205.22	2.33	0.72	School	1.73	1.95	2.15	2.24	2.33	2.42	2.51	2.71	2.94	
65	209.36	1.97	5.10	Student	-2.33	-0.71	0.68	1.33	1.97	2.61	3.26	4.64	6.26	
	206.07	2.33	0.72	School	1.73	1.96	2.15	2.24	2.33	2.42	2.52	2.71	2.94	
70	211.44	1.84	5.10	Student	-2.46	-0.84	0.54	1.20	1.84	2.48	3.13	4.51	6.13	
	206.97	2.34	0.72	School	1.73	1.96	2.15	2.24	2.34	2.43	2.52	2.71	2.94	
75	213.68	1.70	5.10	Student	-2.60	-0.98	0.40	1.06	1.70	2.34	2.99	4.37	5.99	
	207.93	2.34	0.72	School	1.73	1.96	2.15	2.25	2.34	2.43	2.52	2.71	2.94	
80	216.18	1.54	5.10	Student	-2.75	-1.14	0.25	0.90	1.54	2.18	2.83	4.21	5.83	
	209.01	2.34	0.72	School	1.73	1.96	2.16	2.25	2.34	2.43	2.52	2.72	2.94	
85	219.10	1.36	5.10	Student	-2.94	-1.32	0.06	0.72	1.36	2.00	2.65	4.03	5.65	
	210.26	2.34	0.72	School	1.73	1.96	2.16	2.25	2.34	2.43	2.52	2.72	2.95	
90	222.77	1.13	5.10	Student	-3.17	-1.55	-0.17	0.49	1.13	1.77	2.42	3.80	5.42	
	211.83	2.34	0.72	School	1.74	1.97	2.16	2.25	2.34	2.43	2.53	2.72	2.95	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.29: Reading Grade 5 From Last Winter To Winter Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	183.69	9.05	6.08	Student	3.93	5.86	7.51	8.29	9.05	9.81	10.59	12.24	14.16	
	194.99	7.03	1.33	School	5.91	6.33	6.69	6.86	7.03	7.20	7.36	7.72	8.14	
20	190.43	8.17	6.08	Student	3.06	4.99	6.64	7.41	8.17	8.94	9.71	11.36	13.29	
	197.85	6.85	1.33	School	5.73	6.15	6.51	6.68	6.85	7.02	7.18	7.54	7.96	
25	192.99	7.84	6.08	Student	2.73	4.66	6.30	7.08	7.84	8.61	9.38	11.03	12.96	
	198.94	6.78	1.33	School	5.66	6.08	6.44	6.61	6.78	6.95	7.12	7.48	7.90	
30	195.29	7.54	6.08	Student	2.43	4.36	6.01	6.78	7.54	8.31	9.08	10.73	12.66	
	199.91	6.72	1.33	School	5.60	6.02	6.38	6.55	6.72	6.88	7.05	7.41	7.83	
35	197.42	7.27	6.08	Student	2.15	4.08	5.73	6.50	7.27	8.03	8.81	10.46	12.38	
	200.82	6.66	1.33	School	5.55	5.97	6.33	6.49	6.66	6.83	7.00	7.36	7.78	
40	199.44	7.01	6.08	Student	1.89	3.82	5.47	6.24	7.01	7.77	8.55	10.19	12.12	
	201.68	6.61	1.33	School	5.49	5.91	6.27	6.44	6.61	6.77	6.94	7.30	7.72	
45	201.40	6.75	6.08	Student	1.64	3.57	5.21	5.99	6.75	7.52	8.29	9.94	11.87	
	202.51	6.55	1.33	School	5.44	5.86	6.22	6.39	6.55	6.72	6.89	7.25	7.67	
48	202.55	6.60	6.08	Student	1.49	3.42	5.06	5.84	6.60	7.37	8.14	9.79	11.72	
	203.00	6.52	1.33	School	5.41	5.83	6.19	6.36	6.52	6.69	6.86	7.22	7.64	
50	203.32	6.50	6.08	Student	1.39	3.32	4.96	5.74	6.50	7.27	8.04	9.69	11.62	
	203.32	6.50	1.33	School	5.39	5.81	6.17	6.34	6.50	6.67	6.84	7.20	7.62	
52	204.09	6.40	6.08	Student	1.29	3.22	4.86	5.64	6.40	7.17	7.94	9.59	11.52	
	203.65	6.48	1.33	School	5.37	5.79	6.15	6.32	6.48	6.65	6.82	7.18	7.60	
55	205.25	6.25	6.08	Student	1.14	3.07	4.71	5.49	6.25	7.02	7.79	9.44	11.37	
	204.14	6.45	1.33	School	5.34	5.76	6.12	6.29	6.45	6.62	6.79	7.15	7.57	
60	207.20	6.00	6.08	Student	0.88	2.81	4.46	5.24	6.00	6.76	7.54	9.19	11.12	
	204.97	6.40	1.33	School	5.28	5.70	6.06	6.23	6.40	6.57	6.74	7.09	7.52	
65	209.23	5.74	6.08	Student	0.62	2.55	4.20	4.97	5.74	6.50	7.28	8.92	10.85	
	205.83	6.35	1.33	School	5.23	5.65	6.01	6.18	6.35	6.51	6.68	7.04	7.46	
70	211.36	5.46	6.08	Student	0.35	2.27	3.92	4.70	5.46	6.23	7.00	8.65	10.58	
	206.73	6.29	1.33	School	5.17	5.59	5.95	6.12	6.29	6.45	6.62	6.98	7.40	
75	213.66	5.16	6.08	Student	0.05	1.98	3.62	4.40	5.16	5.93	6.70	8.35	10.28	
	207.71	6.23	1.33	School	5.11	5.53	5.89	6.06	6.23	6.39	6.56	6.92	7.34	
80	216.22	4.83	6.08	Student	-0.28	1.64	3.29	4.07	4.83	5.60	6.37	8.02	9.95	
	208.79	6.16	1.33	School	5.04	5.46	5.82	5.99	6.16	6.32	6.49	6.85	7.27	
85	219.20	4.44	6.08	Student	-0.67	1.26	2.90	3.68	4.44	5.21	5.98	7.63	9.56	
	210.06	6.08	1.33	School	4.96	5.38	5.74	5.91	6.08	6.24	6.41	6.77	7.19	
90	222.96	3.96	6.08	Student	-1.16	0.77	2.42	3.19	3.96	4.72	5.50	7.14	9.07	
	211.65	5.98	1.33	School	4.86	5.28	5.64	5.81	5.98	6.14	6.31	6.67	7.09	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.30: Reading Grade 5 From Last Spring To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	185.88	9.14	6.74	Student	3.47	5.60	7.43	8.29	9.14	9.99	10.85	12.68	14.82	
	197.33	6.67	1.71	School	5.23	5.77	6.23	6.45	6.67	6.88	7.10	7.56	8.10	
20	192.73	8.05	6.74	Student	2.37	4.51	6.34	7.20	8.05	8.90	9.76	11.58	13.72	
	200.25	6.42	1.71	School	4.99	5.53	5.99	6.21	6.42	6.64	6.86	7.32	7.86	
25	195.33	7.63	6.74	Student	1.96	4.10	5.92	6.79	7.63	8.48	9.34	11.17	13.31	
	201.36	6.33	1.71	School	4.89	5.44	5.90	6.12	6.33	6.55	6.76	7.23	7.77	
30	197.67	7.26	6.74	Student	1.58	3.72	5.55	6.41	7.26	8.11	8.97	10.80	12.94	
	202.36	6.25	1.71	School	4.81	5.35	5.81	6.03	6.25	6.46	6.68	7.14	7.68	
35	199.83	6.91	6.74	Student	1.24	3.38	5.21	6.07	6.91	7.76	8.62	10.45	12.59	
	203.28	6.17	1.71	School	4.73	5.27	5.74	5.96	6.17	6.38	6.60	7.07	7.61	
40	201.89	6.59	6.74	Student	0.91	3.05	4.88	5.74	6.59	7.43	8.29	10.12	12.26	
	204.15	6.10	1.71	School	4.66	5.20	5.66	5.88	6.10	6.31	6.53	6.99	7.53	
45	203.88	6.27	6.74	Student	0.59	2.73	4.56	5.42	6.27	7.12	7.98	9.81	11.94	
	205.00	6.03	1.71	School	4.59	5.13	5.59	5.81	6.03	6.24	6.46	6.92	7.46	
48	205.05	6.08	6.74	Student	0.41	2.54	4.37	5.23	6.08	6.93	7.79	9.62	11.76	
	205.50	5.98	1.71	School	4.55	5.09	5.55	5.77	5.98	6.20	6.42	6.88	7.42	
50	205.83	5.96	6.74	Student	0.28	2.42	4.25	5.11	5.96	6.80	7.67	9.49	11.63	
	205.83	5.96	1.71	School	4.52	5.06	5.52	5.74	5.96	6.17	6.39	6.85	7.39	
52	206.62	5.83	6.74	Student	0.16	2.30	4.12	4.98	5.83	6.68	7.54	9.37	11.51	
	206.17	5.93	1.71	School	4.49	5.03	5.50	5.71	5.93	6.14	6.36	6.82	7.37	
55	207.79	5.64	6.74	Student	-0.03	2.11	3.94	4.80	5.64	6.49	7.35	9.18	11.32	
	206.67	5.89	1.71	School	4.45	4.99	5.45	5.67	5.89	6.10	6.32	6.78	7.32	
60	209.78	5.33	6.74	Student	-0.35	1.79	3.62	4.48	5.33	6.17	7.04	8.86	11.00	
	207.51	5.82	1.71	School	4.38	4.92	5.38	5.60	5.82	6.03	6.25	6.71	7.25	
65	211.83	5.00	6.74	Student	-0.68	1.46	3.29	4.15	5.00	5.85	6.71	8.54	10.67	
	208.39	5.74	1.71	School	4.31	4.85	5.31	5.53	5.74	5.96	6.18	6.64	7.18	
70	214.00	4.65	6.74	Student	-1.02	1.12	2.94	3.81	4.65	5.50	6.36	8.19	10.33	
	209.31	5.67	1.71	School	4.23	4.77	5.23	5.45	5.67	5.88	6.10	6.56	7.10	
75	216.34	4.28	6.74	Student	-1.40	0.74	2.57	3.43	4.28	5.13	5.99	7.82	9.96	
	210.31	5.58	1.71	School	4.15	4.69	5.15	5.37	5.58	5.80	6.01	6.48	7.02	
80	218.94	3.87	6.74	Student	-1.81	0.33	2.16	3.02	3.87	4.71	5.57	7.40	9.54	
	211.42	5.49	1.71	School	4.05	4.59	5.06	5.27	5.49	5.70	5.92	6.38	6.93	
85	221.97	3.38	6.74	Student	-2.29	-0.16	1.67	2.53	3.38	4.23	5.09	6.92	9.06	
	212.71	5.38	1.71	School	3.94	4.49	4.95	5.17	5.38	5.60	5.81	6.28	6.82	
90	225.79	2.77	6.74	Student	-2.90	-0.76	1.06	1.92	2.77	3.62	4.48	6.31	8.45	
	214.33	5.25	1.71	School	3.81	4.35	4.81	5.03	5.25	5.46	5.68	6.14	6.68	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.31: Reading Grade 5 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	186.29	6.50	7.10	Student	0.53	2.78	4.70	5.61	6.50	7.39	8.30	10.22	12.47
	197.64	5.62	1.58	School	4.29	4.79	5.22	5.42	5.62	5.82	6.02	6.45	6.95
20	192.94	6.14	7.10	Student	0.17	2.42	4.34	5.25	6.14	7.03	7.94	9.86	12.11
	200.40	5.56	1.58	School	4.23	4.73	5.16	5.36	5.56	5.76	5.96	6.39	6.89
25	195.47	6.00	7.10	Student	0.03	2.28	4.20	5.11	6.00	6.89	7.80	9.72	11.97
	201.45	5.54	1.58	School	4.21	4.71	5.14	5.34	5.54	5.74	5.94	6.37	6.87
30	197.74	5.88	7.10	Student	-0.09	2.16	4.08	4.99	5.88	6.77	7.68	9.60	11.85
	202.39	5.52	1.58	School	4.19	4.69	5.12	5.32	5.52	5.72	5.92	6.35	6.85
35	199.85	5.76	7.10	Student	-0.21	2.04	3.97	4.87	5.76	6.66	7.56	9.49	11.74
	203.26	5.50	1.58	School	4.17	4.67	5.10	5.30	5.50	5.70	5.90	6.33	6.83
40	201.84	5.66	7.10	Student	-0.32	1.94	3.86	4.76	5.66	6.55	7.45	9.38	11.63
	204.09	5.48	1.58	School	4.15	4.65	5.08	5.28	5.48	5.68	5.88	6.31	6.81
45	203.78	5.55	7.10	Student	-0.42	1.83	3.75	4.66	5.55	6.44	7.35	9.27	11.52
	204.89	5.47	1.58	School	4.14	4.64	5.06	5.27	5.47	5.66	5.87	6.29	6.80
48	204.92	5.49	7.10	Student	-0.48	1.77	3.69	4.60	5.49	6.38	7.29	9.21	11.46
	205.36	5.46	1.58	School	4.13	4.63	5.05	5.26	5.46	5.65	5.86	6.28	6.78
50	205.68	5.45	7.10	Student	-0.52	1.73	3.65	4.56	5.45	6.34	7.25	9.17	11.42
	205.68	5.45	1.58	School	4.12	4.62	5.05	5.25	5.45	5.65	5.85	6.28	6.78
52	206.44	5.41	7.10	Student	-0.57	1.69	3.61	4.52	5.41	6.30	7.20	9.13	11.38
	205.99	5.44	1.58	School	4.11	4.61	5.04	5.24	5.44	5.64	5.84	6.27	6.77
55	207.58	5.35	7.10	Student	-0.63	1.62	3.55	4.45	5.35	6.24	7.14	9.07	11.32
	206.47	5.43	1.58	School	4.10	4.60	5.03	5.23	5.43	5.63	5.83	6.26	6.76
60	209.51	5.24	7.10	Student	-0.73	1.52	3.44	4.35	5.24	6.13	7.04	8.96	11.21
	207.27	5.41	1.58	School	4.08	4.59	5.01	5.22	5.41	5.61	5.81	6.24	6.74
65	211.51	5.13	7.10	Student	-0.84	1.41	3.33	4.24	5.13	6.02	6.93	8.85	11.10
	208.10	5.40	1.58	School	4.07	4.57	5.00	5.20	5.40	5.59	5.80	6.22	6.73
70	213.61	5.02	7.10	Student	-0.95	1.30	3.22	4.13	5.02	5.91	6.82	8.74	10.99
	208.97	5.38	1.58	School	4.05	4.55	4.98	5.18	5.38	5.58	5.78	6.21	6.71
75	215.88	4.89	7.10	Student	-1.08	1.17	3.10	4.00	4.89	5.79	6.69	8.62	10.87
	209.91	5.36	1.58	School	4.03	4.53	4.96	5.16	5.36	5.56	5.76	6.19	6.69
80	218.41	4.76	7.10	Student	-1.21	1.04	2.96	3.87	4.76	5.65	6.56	8.48	10.73
	210.96	5.33	1.58	School	4.00	4.51	4.93	5.14	5.33	5.53	5.74	6.16	6.66
85	221.36	4.60	7.10	Student	-1.37	0.88	2.80	3.71	4.60	5.49	6.40	8.32	10.57
	212.18	5.31	1.58	School	3.98	4.48	4.91	5.11	5.31	5.51	5.71	6.14	6.64
90	225.07	4.40	7.10	Student	-1.58	0.67	2.60	3.50	4.40	5.29	6.19	8.12	10.37
	213.72	5.28	1.58	School	3.95	4.45	4.88	5.08	5.28	5.47	5.68	6.10	6.61

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.32: Reading Grade 5 From Fall To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean		SD	CGI	20	30	40	45	50	55	60	70
10	186.29	8.80	6.84	Student	3.04	5.21	7.06	7.94	8.80	9.65	10.53	12.38	14.55	
	197.64	6.39	1.77	School	4.90	5.46	5.94	6.17	6.39	6.61	6.84	7.32	7.88	
20	192.94	7.87	6.84	Student	2.12	4.29	6.14	7.02	7.87	8.73	9.61	11.46	13.63	
	200.40	6.29	1.77	School	4.80	5.37	5.85	6.07	6.29	6.52	6.74	7.22	7.78	
25	195.47	7.53	6.84	Student	1.77	3.94	5.79	6.67	7.53	8.38	9.26	11.11	13.28	
	201.45	6.26	1.77	School	4.77	5.33	5.81	6.04	6.26	6.48	6.71	7.19	7.75	
30	197.74	7.21	6.84	Student	1.46	3.63	5.48	6.35	7.21	8.07	8.94	10.80	12.97	
	202.39	6.23	1.77	School	4.74	5.30	5.78	6.00	6.23	6.45	6.67	7.15	7.72	
35	199.85	6.92	6.84	Student	1.17	3.33	5.19	6.06	6.92	7.78	8.65	10.51	12.67	
	203.26	6.20	1.77	School	4.71	5.27	5.75	5.97	6.20	6.42	6.64	7.12	7.69	
40	201.84	6.64	6.84	Student	0.89	3.06	4.91	5.78	6.64	7.50	8.38	10.23	12.40	
	204.09	6.17	1.77	School	4.68	5.24	5.72	5.95	6.17	6.39	6.62	7.10	7.66	
45	203.78	6.38	6.84	Student	0.62	2.79	4.64	5.52	6.38	7.24	8.11	9.96	12.13	
	204.89	6.14	1.77	School	4.65	5.21	5.69	5.92	6.14	6.36	6.59	7.07	7.63	
48	204.92	6.22	6.84	Student	0.46	2.63	4.49	5.36	6.22	7.08	7.95	9.80	11.97	
	205.36	6.12	1.77	School	4.63	5.20	5.68	5.90	6.12	6.35	6.57	7.05	7.61	
50	205.68	6.11	6.84	Student	0.36	2.53	4.38	5.25	6.11	6.97	7.85	9.70	11.87	
	205.68	6.11	1.77	School	4.62	5.19	5.67	5.89	6.11	6.34	6.56	7.04	7.60	
52	206.44	6.01	6.84	Student	0.25	2.42	4.28	5.15	6.01	6.87	7.74	9.59	11.76	
	205.99	6.10	1.77	School	4.61	5.17	5.65	5.88	6.10	6.33	6.55	7.03	7.59	
55	207.58	5.85	6.84	Student	0.10	2.27	4.12	4.99	5.85	6.71	7.58	9.44	11.60	
	206.47	6.09	1.77	School	4.60	5.16	5.64	5.86	6.09	6.31	6.53	7.01	7.58	
60	209.51	5.58	6.84	Student	-0.17	2.00	3.85	4.72	5.58	6.44	7.32	9.17	11.34	
	207.27	6.06	1.77	School	4.57	5.13	5.61	5.84	6.06	6.28	6.51	6.99	7.55	
65	211.51	5.31	6.84	Student	-0.45	1.72	3.57	4.45	5.31	6.17	7.04	8.89	11.06	
	208.10	6.03	1.77	School	4.54	5.10	5.58	5.81	6.03	6.25	6.48	6.96	7.52	
70	213.61	5.02	6.84	Student	-0.74	1.43	3.28	4.16	5.02	5.88	6.75	8.60	10.77	
	208.97	6.00	1.77	School	4.51	5.07	5.55	5.78	6.00	6.22	6.45	6.93	7.49	
75	215.88	4.70	6.84	Student	-1.05	1.12	2.97	3.84	4.70	5.56	6.43	8.29	10.46	
	209.91	5.97	1.77	School	4.48	5.04	5.52	5.75	5.97	6.19	6.42	6.90	7.46	
80	218.41	4.35	6.84	Student	-1.40	0.77	2.62	3.49	4.35	5.21	6.08	7.94	10.11	
	210.96	5.93	1.77	School	4.44	5.01	5.48	5.71	5.93	6.16	6.38	6.86	7.42	
85	221.36	3.94	6.84	Student	-1.81	0.36	2.21	3.09	3.94	4.80	5.68	7.53	9.70	
	212.18	5.89	1.77	School	4.40	4.96	5.44	5.67	5.89	6.11	6.34	6.82	7.38	
90	225.07	3.43	6.84	Student	-2.32	-0.15	1.70	2.57	3.43	4.29	5.16	7.02	9.19	
	213.72	5.84	1.77	School	4.35	4.91	5.39	5.62	5.84	6.06	6.29	6.77	7.33	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.33: Reading Grade 5 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	186.29	6.08	5.39	Student	1.54	3.25	4.71	5.40	6.08	6.75	7.44	8.90	10.62
	197.64	4.31	1.01	School	3.45	3.77	4.05	4.18	4.31	4.43	4.56	4.84	5.16
20	192.94	5.41	5.39	Student	0.87	2.59	4.05	4.74	5.41	6.09	6.78	8.24	9.95
	200.40	4.25	1.01	School	3.40	3.72	3.99	4.12	4.25	4.38	4.51	4.78	5.10
25	195.47	5.16	5.39	Student	0.62	2.33	3.80	4.48	5.16	5.84	6.53	7.99	9.70
	201.45	4.23	1.01	School	3.38	3.70	3.97	4.10	4.23	4.36	4.49	4.76	5.08
30	197.74	4.94	5.39	Student	0.40	2.11	3.57	4.26	4.94	5.61	6.30	7.77	9.48
	202.39	4.21	1.01	School	3.36	3.68	3.96	4.09	4.21	4.34	4.47	4.74	5.06
35	199.85	4.73	5.39	Student	0.19	1.90	3.36	4.05	4.73	5.41	6.09	7.56	9.27
	203.26	4.20	1.01	School	3.34	3.66	3.94	4.07	4.20	4.32	4.45	4.73	5.05
40	201.84	4.53	5.39	Student	-0.01	1.70	3.16	3.85	4.53	5.21	5.90	7.36	9.07
	204.09	4.18	1.01	School	3.33	3.65	3.92	4.05	4.18	4.31	4.44	4.71	5.03
45	203.78	4.34	5.39	Student	-0.20	1.51	2.97	3.66	4.34	5.02	5.70	7.17	8.88
	204.89	4.16	1.01	School	3.31	3.63	3.91	4.04	4.16	4.29	4.42	4.69	5.02
48	204.92	4.22	5.39	Student	-0.32	1.39	2.86	3.55	4.22	4.90	5.59	7.05	8.76
	205.36	4.15	1.01	School	3.30	3.62	3.90	4.03	4.15	4.28	4.41	4.68	5.01
50	205.68	4.15	5.39	Student	-0.39	1.32	2.78	3.47	4.15	4.83	5.51	6.98	8.69
	205.68	4.15	1.01	School	3.30	3.62	3.89	4.02	4.15	4.28	4.40	4.68	5.00
52	206.44	4.07	5.39	Student	-0.47	1.24	2.71	3.39	4.07	4.75	5.44	6.90	8.61
	205.99	4.14	1.01	School	3.29	3.61	3.89	4.01	4.14	4.27	4.40	4.67	4.99
55	207.58	3.96	5.39	Student	-0.58	1.13	2.59	3.28	3.96	4.64	5.33	6.79	8.50
	206.47	4.13	1.01	School	3.28	3.60	3.88	4.01	4.13	4.26	4.39	4.66	4.98
60	209.51	3.77	5.39	Student	-0.77	0.94	2.40	3.09	3.77	4.44	5.13	6.60	8.31
	207.27	4.12	1.01	School	3.27	3.59	3.86	3.99	4.12	4.24	4.37	4.65	4.97
65	211.51	3.57	5.39	Student	-0.97	0.74	2.20	2.89	3.57	4.25	4.94	6.40	8.11
	208.10	4.10	1.01	School	3.25	3.57	3.84	3.97	4.10	4.23	4.36	4.63	4.95
70	213.61	3.36	5.39	Student	-1.18	0.53	1.99	2.68	3.36	4.04	4.73	6.19	7.90
	208.97	4.08	1.01	School	3.23	3.55	3.83	3.96	4.08	4.21	4.34	4.61	4.94
75	215.88	3.13	5.39	Student	-1.41	0.30	1.77	2.46	3.13	3.81	4.50	5.96	7.67
	209.91	4.07	1.01	School	3.21	3.53	3.81	3.94	4.07	4.19	4.32	4.60	4.92
80	218.41	2.88	5.39	Student	-1.66	0.05	1.52	2.20	2.88	3.56	4.25	5.71	7.42
	210.96	4.05	1.01	School	3.19	3.51	3.79	3.92	4.05	4.17	4.30	4.58	4.90
85	221.36	2.59	5.39	Student	-1.95	-0.24	1.22	1.91	2.59	3.27	3.96	5.42	7.13
	212.18	4.02	1.01	School	3.17	3.49	3.76	3.89	4.02	4.15	4.28	4.55	4.87
90	225.07	2.22	5.39	Student	-2.32	-0.61	0.85	1.54	2.22	2.90	3.59	5.05	6.76
	213.72	3.99	1.01	School	3.14	3.46	3.73	3.86	3.99	4.12	4.25	4.52	4.84

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.34: Reading Grade 5 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20	30	40	45	50	55	60	70	80	
10	191.04	3.07	5.14	Student	-1.26	0.37	1.77	2.42	3.07	3.71	4.37	5.76	7.39	
	201.84	1.92	0.76	School	1.28	1.52	1.73	1.83	1.92	2.02	2.12	2.32	2.57	
20	197.49	2.69	5.14	Student	-1.64	-0.01	1.39	2.04	2.69	3.34	3.99	5.39	7.02	
	204.58	1.94	0.76	School	1.29	1.54	1.74	1.84	1.94	2.03	2.13	2.34	2.58	
25	199.94	2.55	5.14	Student	-1.78	-0.15	1.24	1.90	2.55	3.19	3.85	5.24	6.87	
	205.62	1.94	0.76	School	1.30	1.54	1.75	1.85	1.94	2.04	2.14	2.34	2.59	
30	202.14	2.42	5.14	Student	-1.91	-0.28	1.11	1.77	2.42	3.06	3.72	5.11	6.74	
	206.56	1.95	0.76	School	1.31	1.55	1.75	1.85	1.95	2.04	2.14	2.35	2.59	
35	204.18	2.30	5.14	Student	-2.03	-0.40	0.99	1.65	2.30	2.94	3.60	4.99	6.62	
	207.42	1.95	0.76	School	1.31	1.55	1.76	1.86	1.95	2.05	2.15	2.35	2.60	
40	206.11	2.18	5.14	Student	-2.14	-0.51	0.88	1.54	2.18	2.83	3.49	4.88	6.51	
	208.25	1.96	0.76	School	1.31	1.56	1.76	1.86	1.96	2.05	2.15	2.36	2.60	
45	207.98	2.07	5.14	Student	-2.25	-0.62	0.77	1.43	2.07	2.72	3.38	4.77	6.40	
	209.04	1.96	0.76	School	1.32	1.56	1.77	1.87	1.96	2.06	2.15	2.36	2.60	
48	209.09	2.01	5.14	Student	-2.32	-0.69	0.71	1.36	2.01	2.65	3.31	4.70	6.34	
	209.51	1.96	0.76	School	1.32	1.56	1.77	1.87	1.96	2.06	2.16	2.36	2.61	
50	209.83	1.97	5.14	Student	-2.36	-0.73	0.66	1.32	1.97	2.61	3.27	4.66	6.29	
	209.83	1.97	0.76	School	1.32	1.56	1.77	1.87	1.97	2.06	2.16	2.37	2.61	
52	210.56	1.92	5.14	Student	-2.40	-0.77	0.62	1.28	1.92	2.57	3.22	4.62	6.25	
	210.14	1.97	0.76	School	1.32	1.57	1.77	1.87	1.97	2.06	2.16	2.37	2.61	
55	211.67	1.86	5.14	Student	-2.47	-0.84	0.55	1.21	1.86	2.50	3.16	4.55	6.18	
	210.61	1.97	0.76	School	1.33	1.57	1.78	1.87	1.97	2.07	2.16	2.37	2.61	
60	213.54	1.75	5.14	Student	-2.58	-0.95	0.44	1.10	1.75	2.39	3.05	4.44	6.07	
	211.41	1.97	0.76	School	1.33	1.57	1.78	1.88	1.97	2.07	2.17	2.37	2.62	
65	215.47	1.63	5.14	Student	-2.69	-1.06	0.33	0.99	1.63	2.28	2.94	4.33	5.96	
	212.23	1.98	0.76	School	1.33	1.58	1.78	1.88	1.98	2.07	2.17	2.38	2.62	
70	217.51	1.51	5.14	Student	-2.81	-1.18	0.21	0.87	1.51	2.16	2.82	4.21	5.84	
	213.09	1.98	0.76	School	1.34	1.58	1.79	1.89	1.98	2.08	2.18	2.38	2.63	
75	219.71	1.39	5.14	Student	-2.94	-1.31	0.08	0.74	1.39	2.03	2.69	4.08	5.71	
	214.03	1.99	0.76	School	1.34	1.59	1.79	1.89	1.99	2.08	2.18	2.39	2.63	
80	222.16	1.24	5.14	Student	-3.09	-1.45	-0.06	0.60	1.24	1.89	2.54	3.94	5.57	
	215.07	1.99	0.76	School	1.35	1.59	1.80	1.90	1.99	2.09	2.19	2.39	2.64	
85	225.01	1.07	5.14	Student	-3.25	-1.62	-0.23	0.43	1.07	1.72	2.38	3.77	5.40	
	216.29	2.00	0.76	School	1.36	1.60	1.81	1.90	2.00	2.09	2.19	2.40	2.64	
90	228.61	0.86	5.14	Student	-3.46	-1.83	-0.44	0.22	0.86	1.51	2.17	3.56	5.19	
	217.82	2.01	0.76	School	1.36	1.61	1.81	1.91	2.01	2.10	2.20	2.41	2.65	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.35: Reading Grade 6 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	189.87	7.52	6.23	Student	2.28	4.25	5.94	6.73	7.52	8.30	9.09	10.78	12.76
	201.27	5.14	1.68	School	3.72	4.26	4.71	4.93	5.14	5.35	5.56	6.02	6.55
20	196.64	6.52	6.23	Student	1.28	3.25	4.94	5.74	6.52	7.30	8.10	9.78	11.76
	204.13	4.96	1.68	School	3.54	4.08	4.53	4.75	4.96	5.17	5.38	5.84	6.37
25	199.22	6.14	6.23	Student	0.90	2.87	4.56	5.36	6.14	6.92	7.72	9.40	11.38
	205.22	4.89	1.68	School	3.47	4.01	4.46	4.68	4.89	5.10	5.31	5.77	6.30
30	201.53	5.80	6.23	Student	0.56	2.53	4.22	5.02	5.80	6.58	7.38	9.06	11.04
	206.19	4.82	1.68	School	3.41	3.94	4.40	4.61	4.82	5.04	5.25	5.71	6.24
35	203.67	5.48	6.23	Student	0.24	2.22	3.90	4.70	5.48	6.26	7.06	8.75	10.72
	207.10	4.77	1.68	School	3.35	3.89	4.34	4.56	4.77	4.98	5.19	5.65	6.18
40	205.70	5.18	6.23	Student	-0.06	1.92	3.61	4.40	5.18	5.97	6.76	8.45	10.42
	207.95	4.71	1.68	School	3.30	3.83	4.29	4.50	4.71	4.92	5.14	5.59	6.13
45	207.67	4.89	6.23	Student	-0.35	1.63	3.32	4.11	4.89	5.68	6.47	8.16	10.13
	208.78	4.66	1.68	School	3.25	3.78	4.23	4.45	4.66	4.87	5.09	5.54	6.07
48	208.83	4.72	6.23	Student	-0.52	1.46	3.14	3.94	4.72	5.50	6.30	7.99	9.96
	209.27	4.63	1.68	School	3.21	3.75	4.20	4.42	4.63	4.84	5.05	5.51	6.04
50	209.60	4.61	6.23	Student	-0.63	1.34	3.03	3.82	4.61	5.39	6.18	7.87	9.85
	209.60	4.61	1.68	School	3.19	3.73	4.18	4.40	4.61	4.82	5.03	5.49	6.02
52	210.37	4.49	6.23	Student	-0.75	1.23	2.92	3.71	4.49	5.28	6.07	7.76	9.73
	209.93	4.59	1.68	School	3.17	3.71	4.16	4.38	4.59	4.80	5.01	5.47	6.00
55	211.54	4.32	6.23	Student	-0.92	1.06	2.74	3.54	4.32	5.10	5.90	7.59	9.56
	210.42	4.56	1.68	School	3.14	3.67	4.13	4.34	4.56	4.77	4.98	5.44	5.97
60	213.50	4.03	6.23	Student	-1.21	0.77	2.45	3.25	4.03	4.81	5.61	7.30	9.27
	211.25	4.50	1.68	School	3.09	3.62	4.08	4.29	4.50	4.71	4.93	5.38	5.92
65	215.53	3.73	6.23	Student	-1.51	0.47	2.15	2.95	3.73	4.51	5.31	7.00	8.97
	212.11	4.45	1.68	School	3.03	3.57	4.02	4.24	4.45	4.66	4.87	5.33	5.86
70	217.67	3.42	6.23	Student	-1.82	0.15	1.84	2.63	3.42	4.20	4.99	6.68	8.66
	213.01	4.39	1.68	School	2.98	3.51	3.96	4.18	4.39	4.60	4.82	5.27	5.80
75	219.99	3.08	6.23	Student	-2.16	-0.19	1.50	2.29	3.08	3.86	4.65	6.34	8.32
	213.99	4.33	1.68	School	2.91	3.45	3.90	4.12	4.33	4.54	4.75	5.21	5.74
80	222.56	2.70	6.23	Student	-2.54	-0.57	1.12	1.91	2.70	3.48	4.27	5.96	7.94
	215.07	4.26	1.68	School	2.84	3.38	3.83	4.05	4.26	4.47	4.68	5.14	5.67
85	225.56	2.25	6.23	Student	-2.99	-1.01	0.68	1.47	2.25	3.04	3.83	5.52	7.49
	216.34	4.18	1.68	School	2.76	3.30	3.75	3.97	4.18	4.39	4.60	5.06	5.59
90	229.33	1.70	6.23	Student	-3.54	-1.57	0.12	0.92	1.70	2.48	3.28	4.96	6.94
	217.93	4.08	1.68	School	2.66	3.19	3.65	3.86	4.08	4.29	4.50	4.96	5.49

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.36: Reading Grade 6 From Last Spring To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	191.15	8.01	6.87	Student	2.23	4.41	6.27	7.15	8.01	8.87	9.75	11.61	13.79
	202.83	5.11	2.08	School	3.36	4.02	4.58	4.85	5.11	5.37	5.64	6.20	6.86
20	198.15	6.70	6.87	Student	0.92	3.10	4.96	5.84	6.70	7.57	8.44	10.31	12.48
	205.82	4.80	2.08	School	3.05	3.71	4.27	4.54	4.80	5.06	5.32	5.89	6.55
25	200.81	6.21	6.87	Student	0.43	2.60	4.47	5.34	6.21	7.07	7.95	9.81	11.99
	206.96	4.68	2.08	School	2.93	3.59	4.15	4.42	4.68	4.94	5.21	5.77	6.43
30	203.20	5.76	6.87	Student	-0.02	2.16	4.02	4.90	5.76	6.62	7.50	9.36	11.54
	207.98	4.57	2.08	School	2.82	3.48	4.05	4.31	4.57	4.83	5.10	5.66	6.32
35	205.42	5.35	6.87	Student	-0.43	1.75	3.61	4.48	5.35	6.21	7.09	8.95	11.13
	208.93	4.47	2.08	School	2.72	3.38	3.95	4.21	4.47	4.74	5.00	5.57	6.23
40	207.52	4.95	6.87	Student	-0.83	1.35	3.21	4.09	4.95	5.82	6.70	8.56	10.74
	209.83	4.38	2.08	School	2.63	3.29	3.85	4.12	4.38	4.64	4.91	5.47	6.13
45	209.55	4.58	6.87	Student	-1.21	0.97	2.84	3.71	4.58	5.44	6.32	8.18	10.36
	210.69	4.29	2.08	School	2.54	3.20	3.76	4.03	4.29	4.55	4.82	5.38	6.04
48	210.75	4.35	6.87	Student	-1.43	0.75	2.61	3.49	4.35	5.21	6.09	7.95	10.13
	211.21	4.24	2.08	School	2.49	3.15	3.71	3.98	4.24	4.50	4.76	5.33	5.99
50	211.55	4.20	6.87	Student	-1.58	0.60	2.46	3.34	4.20	5.07	5.94	7.80	9.98
	211.55	4.20	2.08	School	2.45	3.11	3.67	3.94	4.20	4.46	4.73	5.29	5.95
52	212.35	4.05	6.87	Student	-1.73	0.45	2.31	3.19	4.05	4.92	5.79	7.65	9.83
	211.89	4.17	2.08	School	2.42	3.08	3.64	3.90	4.17	4.43	4.69	5.26	5.92
55	213.55	3.83	6.87	Student	-1.95	0.23	2.09	2.97	3.83	4.69	5.57	7.43	9.61
	212.40	4.11	2.08	School	2.36	3.02	3.59	3.85	4.11	4.37	4.64	5.20	5.86
60	215.58	3.45	6.87	Student	-2.33	-0.15	1.71	2.59	3.45	4.31	5.19	7.05	9.23
	213.27	4.02	2.08	School	2.27	2.93	3.50	3.76	4.02	4.28	4.55	5.11	5.77
65	217.68	3.06	6.87	Student	-2.72	-0.55	1.32	2.19	3.06	3.92	4.80	6.66	8.84
	214.17	3.93	2.08	School	2.18	2.84	3.40	3.67	3.93	4.19	4.46	5.02	5.68
70	219.90	2.64	6.87	Student	-3.14	-0.96	0.90	1.78	2.64	3.51	4.38	6.25	8.42
	215.12	3.83	2.08	School	2.08	2.74	3.30	3.57	3.83	4.09	4.36	4.92	5.58
75	222.29	2.20	6.87	Student	-3.58	-1.40	0.46	1.33	2.20	3.06	3.94	5.80	7.98
	216.14	3.72	2.08	School	1.97	2.63	3.20	3.46	3.72	3.99	4.25	4.82	5.48
80	224.95	1.70	6.87	Student	-4.08	-1.90	-0.04	0.84	1.70	2.56	3.44	5.30	7.48
	217.28	3.61	2.08	School	1.86	2.52	3.08	3.35	3.61	3.87	4.13	4.70	5.36
85	228.05	1.12	6.87	Student	-4.66	-2.48	-0.62	0.26	1.12	1.98	2.86	4.72	6.90
	218.60	3.47	2.08	School	1.72	2.38	2.94	3.21	3.47	3.73	4.00	4.56	5.22
90	231.95	0.39	6.87	Student	-5.39	-3.21	-1.35	-0.47	0.39	1.26	2.13	3.99	6.17
	220.27	3.30	2.08	School	1.54	2.20	2.77	3.03	3.30	3.56	3.82	4.39	5.05

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.37: Reading Grade 6 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	191.84	5.93	7.17	Student	-0.10	2.17	4.11	5.03	5.93	6.83	7.75	9.69	11.96
	202.90	4.52	1.84	School	2.97	3.55	4.05	4.29	4.52	4.75	4.98	5.48	6.06
20	198.41	5.48	7.17	Student	-0.55	1.72	3.66	4.58	5.48	6.38	7.29	9.24	11.51
	205.68	4.55	1.84	School	3.00	3.59	4.09	4.32	4.55	4.78	5.02	5.52	6.10
25	200.91	5.31	7.17	Student	-0.72	1.55	3.49	4.41	5.31	6.21	7.12	9.07	11.34
	206.73	4.56	1.84	School	3.02	3.60	4.10	4.33	4.56	4.80	5.03	5.53	6.11
30	203.15	5.15	7.17	Student	-0.88	1.40	3.34	4.25	5.15	6.05	6.97	8.91	11.18
	207.68	4.58	1.84	School	3.03	3.61	4.11	4.34	4.58	4.81	5.04	5.54	6.12
35	205.23	5.01	7.17	Student	-1.02	1.25	3.20	4.11	5.01	5.91	6.83	8.77	11.04
	208.56	4.59	1.84	School	3.04	3.62	4.12	4.36	4.59	4.82	5.05	5.55	6.13
40	207.20	4.88	7.17	Student	-1.16	1.12	3.06	3.98	4.88	5.78	6.69	8.63	10.91
	209.39	4.60	1.84	School	3.05	3.63	4.13	4.37	4.60	4.83	5.06	5.56	6.14
45	209.11	4.74	7.17	Student	-1.29	0.99	2.93	3.84	4.74	5.65	6.56	8.50	10.78
	210.19	4.61	1.84	School	3.06	3.64	4.14	4.38	4.61	4.84	5.07	5.57	6.15
48	210.24	4.67	7.17	Student	-1.36	0.91	2.85	3.77	4.67	5.57	6.48	8.43	10.70
	210.67	4.61	1.84	School	3.07	3.65	4.15	4.38	4.61	4.84	5.08	5.58	6.16
50	210.99	4.62	7.17	Student	-1.42	0.86	2.80	3.72	4.62	5.52	6.43	8.37	10.65
	210.99	4.62	1.84	School	3.07	3.65	4.15	4.38	4.62	4.85	5.08	5.58	6.16
52	211.74	4.56	7.17	Student	-1.47	0.81	2.75	3.66	4.56	5.47	6.38	8.32	10.60
	211.30	4.62	1.84	School	3.07	3.66	4.15	4.39	4.62	4.85	5.09	5.58	6.17
55	212.86	4.49	7.17	Student	-1.54	0.73	2.67	3.59	4.49	5.39	6.30	8.25	10.52
	211.78	4.63	1.84	School	3.08	3.66	4.16	4.39	4.63	4.86	5.09	5.59	6.17
60	214.77	4.36	7.17	Student	-1.67	0.60	2.54	3.46	4.36	5.26	6.17	8.11	10.39
	212.59	4.64	1.84	School	3.09	3.67	4.17	4.40	4.64	4.87	5.10	5.60	6.18
65	216.74	4.22	7.17	Student	-1.81	0.46	2.41	3.32	4.22	5.12	6.04	7.98	10.25
	213.42	4.65	1.84	School	3.10	3.68	4.18	4.41	4.65	4.88	5.11	5.61	6.19
70	218.82	4.08	7.17	Student	-1.95	0.32	2.26	3.18	4.08	4.98	5.89	7.84	10.11
	214.30	4.66	1.84	School	3.11	3.69	4.19	4.43	4.66	4.89	5.12	5.62	6.20
75	221.06	3.92	7.17	Student	-2.11	0.17	2.11	3.02	3.92	4.82	5.74	7.68	9.96
	215.24	4.67	1.84	School	3.12	3.70	4.20	4.44	4.67	4.90	5.13	5.63	6.21
80	223.56	3.75	7.17	Student	-2.28	-0.00	1.94	2.85	3.75	4.65	5.57	7.51	9.78
	216.30	4.68	1.84	School	3.13	3.72	4.22	4.45	4.68	4.91	5.15	5.64	6.23
85	226.47	3.55	7.17	Student	-2.48	-0.20	1.74	2.65	3.55	4.45	5.37	7.31	9.58
	217.53	4.70	1.84	School	3.15	3.73	4.23	4.46	4.70	4.93	5.16	5.66	6.24
90	230.13	3.30	7.17	Student	-2.73	-0.46	1.49	2.40	3.30	4.20	5.12	7.06	9.33
	219.07	4.71	1.84	School	3.17	3.75	4.25	4.48	4.71	4.95	5.18	5.68	6.26

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.38: Reading Grade 6 From Fall To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	191.84	7.34	6.91	Student	1.53	3.72	5.59	6.47	7.34	8.21	9.09	10.96	13.16
	202.90	4.97	1.91	School	3.36	3.96	4.48	4.73	4.97	5.21	5.45	5.97	6.58
20	198.41	6.46	6.91	Student	0.65	2.84	4.71	5.59	6.46	7.33	8.21	10.08	12.27
	205.68	4.90	1.91	School	3.29	3.89	4.41	4.66	4.90	5.14	5.38	5.90	6.51
25	200.91	6.12	6.91	Student	0.31	2.50	4.37	5.25	6.12	6.99	7.87	9.74	11.93
	206.73	4.87	1.91	School	3.26	3.87	4.39	4.63	4.87	5.11	5.36	5.87	6.48
30	203.15	5.82	6.91	Student	0.01	2.20	4.07	4.95	5.82	6.69	7.57	9.44	11.63
	207.68	4.85	1.91	School	3.24	3.84	4.36	4.61	4.85	5.09	5.33	5.85	6.46
35	205.23	5.54	6.91	Student	-0.27	1.92	3.79	4.67	5.54	6.41	7.29	9.16	11.35
	208.56	4.83	1.91	School	3.22	3.82	4.34	4.59	4.83	5.07	5.31	5.83	6.44
40	207.20	5.27	6.91	Student	-0.54	1.65	3.52	4.41	5.27	6.14	7.02	8.90	11.09
	209.39	4.80	1.91	School	3.19	3.80	4.32	4.56	4.80	5.04	5.29	5.81	6.41
45	209.11	5.02	6.91	Student	-0.80	1.40	3.27	4.15	5.02	5.89	6.77	8.64	10.83
	210.19	4.78	1.91	School	3.17	3.78	4.30	4.54	4.78	5.02	5.27	5.79	6.39
48	210.24	4.87	6.91	Student	-0.95	1.24	3.12	4.00	4.87	5.73	6.62	8.49	10.68
	210.67	4.77	1.91	School	3.16	3.77	4.29	4.53	4.77	5.01	5.26	5.78	6.38
50	210.99	4.76	6.91	Student	-1.05	1.14	3.01	3.90	4.76	5.63	6.51	8.39	10.58
	210.99	4.76	1.91	School	3.15	3.76	4.28	4.52	4.76	5.00	5.25	5.77	6.37
52	211.74	4.66	6.91	Student	-1.15	1.04	2.91	3.80	4.66	5.53	6.41	8.29	10.48
	211.30	4.76	1.91	School	3.15	3.75	4.27	4.52	4.76	5.00	5.24	5.76	6.37
55	212.86	4.51	6.91	Student	-1.30	0.89	2.76	3.64	4.51	5.38	6.26	8.13	10.32
	211.78	4.74	1.91	School	3.13	3.74	4.26	4.50	4.74	4.98	5.23	5.75	6.35
60	214.77	4.25	6.91	Student	-1.56	0.63	2.51	3.39	4.25	5.12	6.00	7.88	10.07
	212.59	4.72	1.91	School	3.11	3.72	4.24	4.48	4.72	4.96	5.21	5.73	6.33
65	216.74	3.99	6.91	Student	-1.82	0.37	2.24	3.12	3.99	4.86	5.74	7.61	9.80
	213.42	4.70	1.91	School	3.09	3.70	4.22	4.46	4.70	4.94	5.19	5.71	6.31
70	218.82	3.71	6.91	Student	-2.10	0.09	1.96	2.84	3.71	4.58	5.46	7.33	9.52
	214.30	4.68	1.91	School	3.07	3.68	4.20	4.44	4.68	4.92	5.17	5.68	6.29
75	221.06	3.41	6.91	Student	-2.41	-0.21	1.66	2.54	3.41	4.28	5.16	7.03	9.22
	215.24	4.66	1.91	School	3.05	3.65	4.17	4.42	4.66	4.90	5.14	5.66	6.27
80	223.56	3.07	6.91	Student	-2.74	-0.55	1.32	2.20	3.07	3.94	4.82	6.69	8.88
	216.30	4.63	1.91	School	3.02	3.63	4.15	4.39	4.63	4.87	5.12	5.63	6.24
85	226.47	2.68	6.91	Student	-3.13	-0.94	0.93	1.81	2.68	3.55	4.43	6.30	8.49
	217.53	4.60	1.91	School	2.99	3.60	4.12	4.36	4.60	4.84	5.09	5.60	6.21
90	230.13	2.19	6.91	Student	-3.63	-1.44	0.44	1.32	2.19	3.05	3.94	5.81	8.00
	219.07	4.56	1.91	School	2.95	3.56	4.08	4.32	4.56	4.80	5.05	5.56	6.17

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.39: Reading Grade 6 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	191.84	5.10	5.42	Student	0.53	2.25	3.72	4.41	5.10	5.78	6.47	7.94	9.66	
	202.90	3.34	1.09	School	2.42	2.76	3.06	3.20	3.34	3.48	3.61	3.91	4.26	
20	198.41	4.45	5.42	Student	-0.11	1.61	3.08	3.77	4.45	5.13	5.83	7.30	9.02	
	205.68	3.30	1.09	School	2.38	2.72	3.02	3.16	3.30	3.44	3.57	3.87	4.22	
25	200.91	4.21	5.42	Student	-0.36	1.36	2.83	3.53	4.21	4.89	5.58	7.05	8.77	
	206.73	3.28	1.09	School	2.36	2.71	3.01	3.15	3.28	3.42	3.56	3.86	4.20	
30	203.15	3.99	5.42	Student	-0.58	1.14	2.61	3.31	3.99	4.67	5.36	6.83	8.55	
	207.68	3.27	1.09	School	2.35	2.70	2.99	3.13	3.27	3.41	3.55	3.84	4.19	
35	205.23	3.79	5.42	Student	-0.78	0.94	2.41	3.10	3.79	4.47	5.16	6.63	8.35	
	208.56	3.26	1.09	School	2.34	2.68	2.98	3.12	3.26	3.39	3.53	3.83	4.18	
40	207.20	3.59	5.42	Student	-0.97	0.75	2.22	2.91	3.59	4.27	4.97	6.44	8.16	
	209.39	3.24	1.09	School	2.32	2.67	2.97	3.11	3.24	3.38	3.52	3.82	4.17	
45	209.11	3.41	5.42	Student	-1.16	0.56	2.03	2.72	3.41	4.09	4.78	6.25	7.97	
	210.19	3.23	1.09	School	2.31	2.66	2.96	3.10	3.23	3.37	3.51	3.81	4.15	
48	210.24	3.30	5.42	Student	-1.27	0.45	1.92	2.61	3.30	3.98	4.67	6.14	7.86	
	210.67	3.23	1.09	School	2.31	2.65	2.95	3.09	3.23	3.36	3.50	3.80	4.15	
50	210.99	3.22	5.42	Student	-1.34	0.38	1.85	2.54	3.22	3.90	4.60	6.07	7.79	
	210.99	3.22	1.09	School	2.30	2.65	2.94	3.08	3.22	3.36	3.50	3.80	4.14	
52	211.74	3.15	5.42	Student	-1.42	0.30	1.77	2.47	3.15	3.83	4.52	5.99	7.71	
	211.30	3.22	1.09	School	2.30	2.64	2.94	3.08	3.22	3.35	3.49	3.79	4.14	
55	212.86	3.04	5.42	Student	-1.53	0.19	1.66	2.36	3.04	3.72	4.41	5.88	7.60	
	211.78	3.21	1.09	School	2.29	2.64	2.93	3.07	3.21	3.35	3.49	3.78	4.13	
60	214.77	2.85	5.42	Student	-1.71	0.01	1.48	2.17	2.85	3.53	4.23	5.70	7.42	
	212.59	3.20	1.09	School	2.28	2.63	2.92	3.06	3.20	3.34	3.48	3.77	4.12	
65	216.74	2.66	5.42	Student	-1.91	-0.19	1.28	1.98	2.66	3.34	4.03	5.50	7.22	
	213.42	3.19	1.09	School	2.27	2.61	2.91	3.05	3.19	3.32	3.46	3.76	4.11	
70	218.82	2.45	5.42	Student	-2.11	-0.39	1.08	1.77	2.45	3.14	3.83	5.30	7.02	
	214.30	3.17	1.09	School	2.25	2.60	2.90	3.04	3.17	3.31	3.45	3.75	4.09	
75	221.06	2.24	5.42	Student	-2.33	-0.61	0.86	1.55	2.24	2.92	3.61	5.08	6.80	
	215.24	3.16	1.09	School	2.24	2.59	2.88	3.02	3.16	3.30	3.44	3.73	4.08	
80	223.56	1.99	5.42	Student	-2.57	-0.85	0.62	1.31	1.99	2.67	3.37	4.84	6.56	
	216.30	3.15	1.09	School	2.23	2.57	2.87	3.01	3.15	3.28	3.42	3.72	4.07	
85	226.47	1.71	5.42	Student	-2.86	-1.14	0.33	1.02	1.71	2.39	3.08	4.55	6.27	
	217.53	3.13	1.09	School	2.21	2.55	2.85	2.99	3.13	3.27	3.40	3.70	4.05	
90	230.13	1.35	5.42	Student	-3.22	-1.50	-0.03	0.67	1.35	2.03	2.72	4.19	5.91	
	219.07	3.11	1.09	School	2.19	2.53	2.83	2.97	3.11	3.24	3.38	3.68	4.03	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.40: Reading Grade 6 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	195.59	2.58	5.16	Student	-1.76	-0.13	1.27	1.93	2.58	3.23	3.89	5.29	6.92	
	206.12	1.45	0.82	School	0.76	1.02	1.24	1.34	1.45	1.55	1.65	1.88	2.14	
20	201.98	2.22	5.16	Student	-2.12	-0.48	0.92	1.58	2.22	2.87	3.53	4.93	6.57	
	208.89	1.48	0.82	School	0.79	1.05	1.27	1.38	1.48	1.58	1.69	1.91	2.17	
25	204.41	2.09	5.16	Student	-2.25	-0.62	0.78	1.44	2.09	2.74	3.40	4.80	6.43	
	209.95	1.49	0.82	School	0.80	1.06	1.28	1.39	1.49	1.60	1.70	1.92	2.18	
30	206.59	1.97	5.16	Student	-2.38	-0.74	0.66	1.32	1.97	2.62	3.27	4.67	6.31	
	210.90	1.50	0.82	School	0.81	1.07	1.30	1.40	1.50	1.61	1.71	1.93	2.19	
35	208.61	1.85	5.16	Student	-2.49	-0.85	0.55	1.21	1.85	2.50	3.16	4.56	6.20	
	211.78	1.51	0.82	School	0.82	1.08	1.31	1.41	1.51	1.62	1.72	1.94	2.20	
40	210.53	1.75	5.16	Student	-2.60	-0.96	0.44	1.10	1.75	2.40	3.06	4.45	6.09	
	212.61	1.52	0.82	School	0.83	1.09	1.32	1.42	1.52	1.63	1.73	1.95	2.21	
45	212.38	1.64	5.16	Student	-2.70	-1.06	0.34	1.00	1.64	2.29	2.95	4.35	5.99	
	213.41	1.53	0.82	School	0.84	1.10	1.33	1.43	1.53	1.64	1.74	1.96	2.22	
48	213.48	1.58	5.16	Student	-2.76	-1.12	0.28	0.93	1.58	2.23	2.89	4.29	5.93	
	213.89	1.54	0.82	School	0.85	1.11	1.33	1.44	1.54	1.64	1.75	1.97	2.23	
50	214.21	1.54	5.16	Student	-2.80	-1.16	0.24	0.89	1.54	2.19	2.85	4.25	5.89	
	214.21	1.54	0.82	School	0.85	1.11	1.33	1.44	1.54	1.65	1.75	1.97	2.23	
52	214.94	1.50	5.16	Student	-2.84	-1.20	0.19	0.85	1.50	2.15	2.81	4.21	5.85	
	214.53	1.55	0.82	School	0.86	1.12	1.34	1.44	1.55	1.65	1.75	1.98	2.24	
55	216.03	1.44	5.16	Student	-2.90	-1.27	0.13	0.79	1.44	2.09	2.75	4.15	5.78	
	215.00	1.55	0.82	School	0.86	1.12	1.34	1.45	1.55	1.66	1.76	1.98	2.24	
60	217.89	1.34	5.16	Student	-3.01	-1.37	0.03	0.69	1.34	1.99	2.64	4.04	5.68	
	215.81	1.56	0.82	School	0.87	1.13	1.35	1.46	1.56	1.66	1.77	1.99	2.25	
65	219.81	1.23	5.16	Student	-3.11	-1.48	-0.08	0.58	1.23	1.88	2.54	3.94	5.57	
	216.64	1.57	0.82	School	0.88	1.14	1.36	1.47	1.57	1.67	1.78	2.00	2.26	
70	221.83	1.12	5.16	Student	-3.23	-1.59	-0.19	0.47	1.12	1.77	2.43	3.82	5.46	
	217.52	1.58	0.82	School	0.89	1.15	1.37	1.48	1.58	1.69	1.79	2.01	2.27	
75	224.01	1.00	5.16	Student	-3.35	-1.71	-0.31	0.35	1.00	1.64	2.30	3.70	5.34	
	218.47	1.59	0.82	School	0.90	1.16	1.39	1.49	1.59	1.70	1.80	2.02	2.28	
80	226.44	0.86	5.16	Student	-3.48	-1.84	-0.45	0.21	0.86	1.51	2.17	3.57	5.20	
	219.52	1.61	0.82	School	0.92	1.18	1.40	1.50	1.61	1.71	1.81	2.04	2.30	
85	229.27	0.70	5.16	Student	-3.64	-2.00	-0.60	0.05	0.70	1.35	2.01	3.41	5.05	
	220.75	1.62	0.82	School	0.93	1.19	1.41	1.52	1.62	1.72	1.83	2.05	2.31	
90	232.83	0.50	5.16	Student	-3.84	-2.20	-0.80	-0.14	0.50	1.15	1.81	3.21	4.85	
	222.30	1.64	0.82	School	0.95	1.21	1.43	1.54	1.64	1.74	1.85	2.07	2.33	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.41: Reading Grade 7 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	192.96	6.29	5.87	Student	1.35	3.21	4.80	5.55	6.29	7.02	7.77	9.36	11.23	
	204.21	4.50	1.48	School	3.25	3.72	4.12	4.31	4.50	4.68	4.87	5.27	5.74	
20	199.82	5.49	5.87	Student	0.55	2.41	4.00	4.75	5.49	6.23	6.98	8.57	10.43	
	207.20	4.32	1.48	School	3.07	3.54	3.94	4.13	4.32	4.50	4.69	5.09	5.56	
25	202.43	5.19	5.87	Student	0.25	2.11	3.70	4.45	5.19	5.93	6.68	8.27	10.13	
	208.34	4.25	1.48	School	3.00	3.47	3.87	4.06	4.25	4.43	4.62	5.02	5.49	
30	204.77	4.92	5.87	Student	-0.02	1.84	3.43	4.18	4.92	5.66	6.40	8.00	9.86	
	209.37	4.19	1.48	School	2.94	3.41	3.81	4.00	4.19	4.37	4.56	4.96	5.43	
35	206.93	4.67	5.87	Student	-0.27	1.59	3.18	3.93	4.67	5.40	6.15	7.74	9.61	
	210.31	4.13	1.48	School	2.88	3.35	3.75	3.94	4.13	4.32	4.50	4.91	5.38	
40	208.99	4.43	5.87	Student	-0.51	1.35	2.94	3.69	4.43	5.17	5.92	7.51	9.37	
	211.21	4.07	1.48	School	2.83	3.30	3.70	3.89	4.07	4.26	4.45	4.85	5.32	
45	210.98	4.20	5.87	Student	-0.74	1.12	2.71	3.46	4.20	4.93	5.68	7.28	9.14	
	212.08	4.02	1.48	School	2.78	3.25	3.65	3.84	4.02	4.21	4.40	4.80	5.27	
48	212.16	4.06	5.87	Student	-0.88	0.98	2.57	3.32	4.06	4.80	5.55	7.14	9.00	
	212.60	3.99	1.48	School	2.74	3.21	3.62	3.80	3.99	4.18	4.37	4.77	5.24	
50	212.94	3.97	5.87	Student	-0.97	0.89	2.48	3.23	3.97	4.71	5.46	7.05	8.91	
	212.94	3.97	1.48	School	2.72	3.19	3.60	3.78	3.97	4.16	4.35	4.75	5.22	
52	213.72	3.88	5.87	Student	-1.06	0.80	2.39	3.14	3.88	4.62	5.37	6.96	8.82	
	213.28	3.95	1.48	School	2.70	3.17	3.57	3.76	3.95	4.14	4.32	4.73	5.20	
55	214.90	3.74	5.87	Student	-1.20	0.67	2.26	3.01	3.74	4.48	5.23	6.82	8.68	
	213.80	3.92	1.48	School	2.67	3.14	3.54	3.73	3.92	4.10	4.29	4.70	5.16	
60	216.89	3.51	5.87	Student	-1.43	0.43	2.03	2.78	3.51	4.25	5.00	6.59	8.45	
	214.67	3.87	1.48	School	2.62	3.09	3.49	3.68	3.87	4.05	4.24	4.64	5.11	
65	218.95	3.27	5.87	Student	-1.67	0.20	1.79	2.54	3.27	4.01	4.76	6.35	8.21	
	215.57	3.81	1.48	School	2.57	3.04	3.44	3.63	3.81	4.00	4.19	4.59	5.06	
70	221.12	3.02	5.87	Student	-1.92	-0.05	1.54	2.29	3.02	3.76	4.51	6.10	7.96	
	216.52	3.75	1.48	School	2.51	2.98	3.38	3.57	3.75	3.94	4.13	4.53	5.00	
75	223.46	2.75	5.87	Student	-2.19	-0.33	1.26	2.01	2.75	3.49	4.24	5.83	7.69	
	217.54	3.69	1.48	School	2.45	2.92	3.32	3.51	3.69	3.88	4.07	4.47	4.94	
80	226.06	2.45	5.87	Student	-2.49	-0.63	0.96	1.71	2.45	3.19	3.94	5.53	7.39	
	218.68	3.62	1.48	School	2.38	2.85	3.25	3.44	3.62	3.81	4.00	4.40	4.87	
85	229.10	2.10	5.87	Student	-2.84	-0.98	0.61	1.36	2.10	2.84	3.58	5.18	7.04	
	220.00	3.54	1.48	School	2.30	2.77	3.17	3.36	3.54	3.73	3.92	4.32	4.79	
90	232.92	1.65	5.87	Student	-3.28	-1.42	0.17	0.92	1.65	2.39	3.14	4.73	6.59	
	221.68	3.44	1.48	School	2.20	2.67	3.07	3.26	3.44	3.63	3.82	4.22	4.69	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.42: Reading Grade 7 From Last Spring To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	193.59	7.10	6.57	Student	1.56	3.65	5.43	6.27	7.10	7.92	8.76	10.54	12.63
	205.16	4.80	1.94	School	3.17	3.78	4.31	4.56	4.80	5.05	5.30	5.82	6.44
20	200.71	5.97	6.57	Student	0.44	2.53	4.31	5.15	5.97	6.80	7.64	9.42	11.51
	208.31	4.47	1.94	School	2.83	3.45	3.98	4.22	4.47	4.71	4.96	5.49	6.10
25	203.41	5.55	6.57	Student	0.01	2.10	3.88	4.72	5.55	6.37	7.21	8.99	11.08
	209.50	4.34	1.94	School	2.71	3.32	3.85	4.10	4.34	4.58	4.83	5.36	5.97
30	205.84	5.16	6.57	Student	-0.37	1.72	3.50	4.34	5.16	5.99	6.83	8.61	10.70
	210.58	4.23	1.94	School	2.59	3.21	3.73	3.98	4.23	4.47	4.72	5.24	5.86
35	208.09	4.81	6.57	Student	-0.72	1.36	3.14	3.98	4.81	5.64	6.47	8.26	10.34
	211.57	4.12	1.94	School	2.49	3.10	3.63	3.88	4.12	4.36	4.61	5.14	5.75
40	210.23	4.47	6.57	Student	-1.06	1.02	2.81	3.65	4.47	5.30	6.14	7.92	10.01
	212.52	4.02	1.94	School	2.38	3.00	3.53	3.78	4.02	4.26	4.51	5.04	5.65
45	212.30	4.15	6.57	Student	-1.39	0.70	2.48	3.32	4.15	4.97	5.81	7.59	9.68
	213.43	3.92	1.94	School	2.29	2.90	3.43	3.68	3.92	4.17	4.41	4.94	5.56
48	213.52	3.95	6.57	Student	-1.58	0.51	2.29	3.13	3.95	4.78	5.62	7.40	9.49
	213.97	3.86	1.94	School	2.23	2.85	3.37	3.62	3.86	4.11	4.36	4.88	5.50
50	214.33	3.83	6.57	Student	-1.71	0.38	2.16	3.00	3.83	4.65	5.49	7.27	9.36
	214.33	3.83	1.94	School	2.19	2.81	3.33	3.58	3.83	4.07	4.32	4.84	5.46
52	215.14	3.70	6.57	Student	-1.84	0.25	2.03	2.87	3.70	4.52	5.36	7.15	9.23
	214.69	3.79	1.94	School	2.15	2.77	3.30	3.54	3.79	4.03	4.28	4.81	5.42
55	216.37	3.51	6.57	Student	-2.03	0.06	1.84	2.68	3.51	4.33	5.17	6.95	9.04
	215.23	3.73	1.94	School	2.10	2.71	3.24	3.49	3.73	3.97	4.22	4.75	5.36
60	218.43	3.18	6.57	Student	-2.35	-0.27	1.51	2.35	3.18	4.01	4.85	6.63	8.71
	216.15	3.63	1.94	School	2.00	2.61	3.14	3.39	3.63	3.88	4.12	4.65	5.27
65	220.57	2.84	6.57	Student	-2.69	-0.61	1.18	2.02	2.84	3.67	4.51	6.29	8.38
	217.09	3.53	1.94	School	1.90	2.51	3.04	3.29	3.53	3.78	4.02	4.55	5.17
70	222.82	2.49	6.57	Student	-3.05	-0.96	0.82	1.66	2.49	3.31	4.15	5.94	8.02
	218.09	3.43	1.94	School	1.79	2.41	2.93	3.18	3.43	3.67	3.92	4.44	5.06
75	225.25	2.10	6.57	Student	-3.43	-1.34	0.44	1.28	2.10	2.93	3.77	5.55	7.64
	219.16	3.31	1.94	School	1.68	2.29	2.82	3.07	3.31	3.56	3.80	4.33	4.95
80	227.96	1.68	6.57	Student	-3.86	-1.77	0.01	0.85	1.68	2.50	3.34	5.13	7.21
	220.36	3.18	1.94	School	1.55	2.17	2.69	2.94	3.18	3.43	3.68	4.20	4.82
85	231.11	1.18	6.57	Student	-4.35	-2.27	-0.48	0.35	1.18	2.01	2.85	4.63	6.71
	221.75	3.04	1.94	School	1.40	2.02	2.54	2.79	3.04	3.28	3.53	4.05	4.67
90	235.08	0.56	6.57	Student	-4.98	-2.89	-1.11	-0.27	0.56	1.38	2.22	4.00	6.09
	223.51	2.85	1.94	School	1.21	1.83	2.36	2.60	2.85	3.09	3.34	3.87	4.48

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.43: Reading Grade 7 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	194.82	5.02	6.77	Student	-0.68	1.47	3.30	4.17	5.02	5.87	6.73	8.57	10.71	
	206.03	3.89	1.67	School	2.49	3.02	3.47	3.68	3.89	4.10	4.32	4.77	5.30	
20	201.56	4.64	6.77	Student	-1.05	1.10	2.93	3.79	4.64	5.50	6.36	8.19	10.34	
	208.92	3.91	1.67	School	2.50	3.03	3.48	3.70	3.91	4.12	4.33	4.78	5.31	
25	204.12	4.50	6.77	Student	-1.19	0.96	2.79	3.65	4.50	5.35	6.22	8.05	10.20	
	210.02	3.91	1.67	School	2.51	3.04	3.49	3.70	3.91	4.12	4.33	4.79	5.32	
30	206.42	4.38	6.77	Student	-1.32	0.83	2.66	3.53	4.38	5.23	6.09	7.92	10.07	
	211.00	3.92	1.67	School	2.51	3.04	3.49	3.71	3.92	4.13	4.34	4.79	5.32	
35	208.55	4.26	6.77	Student	-1.44	0.71	2.54	3.41	4.26	5.11	5.97	7.81	9.95	
	211.92	3.92	1.67	School	2.51	3.04	3.50	3.71	3.92	4.13	4.34	4.80	5.33	
40	210.57	4.15	6.77	Student	-1.55	0.60	2.43	3.30	4.15	5.00	5.86	7.69	9.84	
	212.78	3.92	1.67	School	2.52	3.05	3.50	3.71	3.92	4.13	4.35	4.80	5.33	
45	212.52	4.04	6.77	Student	-1.66	0.49	2.32	3.19	4.04	4.89	5.75	7.59	9.73	
	213.62	3.93	1.67	School	2.52	3.05	3.51	3.72	3.93	4.14	4.35	4.80	5.33	
48	213.68	3.97	6.77	Student	-1.72	0.43	2.26	3.12	3.97	4.82	5.69	7.52	9.67	
	214.12	3.93	1.67	School	2.52	3.05	3.51	3.72	3.93	4.14	4.35	4.81	5.34	
50	214.45	3.93	6.77	Student	-1.76	0.38	2.22	3.08	3.93	4.78	5.65	7.48	9.63	
	214.45	3.93	1.67	School	2.53	3.06	3.51	3.72	3.93	4.14	4.36	4.81	5.34	
52	215.22	3.89	6.77	Student	-1.80	0.34	2.18	3.04	3.89	4.74	5.60	7.44	9.58	
	214.78	3.93	1.67	School	2.53	3.06	3.51	3.72	3.93	4.14	4.36	4.81	5.34	
55	216.37	3.83	6.77	Student	-1.87	0.28	2.11	2.98	3.83	4.68	5.54	7.37	9.52	
	215.27	3.94	1.67	School	2.53	3.06	3.51	3.73	3.94	4.15	4.36	4.81	5.34	
60	218.33	3.72	6.77	Student	-1.98	0.17	2.00	2.87	3.72	4.57	5.43	7.27	9.41	
	216.11	3.94	1.67	School	2.53	3.06	3.52	3.73	3.94	4.15	4.36	4.82	5.35	
65	220.35	3.61	6.77	Student	-2.09	0.06	1.89	2.76	3.61	4.46	5.32	7.15	9.30	
	216.98	3.94	1.67	School	2.54	3.07	3.52	3.73	3.94	4.15	4.37	4.82	5.35	
70	222.48	3.49	6.77	Student	-2.21	-0.06	1.77	2.64	3.49	4.34	5.20	7.04	9.18	
	217.89	3.95	1.67	School	2.54	3.07	3.52	3.74	3.95	4.16	4.37	4.82	5.35	
75	224.78	3.36	6.77	Student	-2.33	-0.19	1.65	2.51	3.36	4.21	5.07	6.91	9.05	
	218.88	3.95	1.67	School	2.55	3.08	3.53	3.74	3.95	4.16	4.38	4.83	5.36	
80	227.34	3.22	6.77	Student	-2.48	-0.33	1.50	2.37	3.22	4.07	4.93	6.77	8.91	
	219.97	3.96	1.67	School	2.55	3.08	3.53	3.75	3.96	4.17	4.38	4.83	5.36	
85	230.32	3.05	6.77	Student	-2.64	-0.49	1.34	2.20	3.05	3.90	4.77	6.60	8.75	
	221.25	3.96	1.67	School	2.56	3.09	3.54	3.75	3.96	4.17	4.39	4.84	5.37	
90	234.07	2.85	6.77	Student	-2.85	-0.70	1.13	2.00	2.85	3.70	4.56	6.39	8.54	
	222.86	3.97	1.67	School	2.57	3.10	3.55	3.76	3.97	4.18	4.39	4.85	5.38	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.44: Reading Grade 7 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	194.82	6.04	6.87	Student	0.26	2.44	4.30	5.18	6.04	6.91	7.78	9.65	11.82	
	206.03	3.88	1.83	School	2.34	2.92	3.42	3.65	3.88	4.11	4.34	4.84	5.42	
20	201.56	5.24	6.87	Student	-0.54	1.64	3.50	4.38	5.24	6.11	6.98	8.84	11.02	
	208.92	3.82	1.83	School	2.29	2.87	3.36	3.59	3.82	4.05	4.29	4.78	5.36	
25	204.12	4.94	6.87	Student	-0.84	1.34	3.20	4.08	4.94	5.80	6.68	8.54	10.72	
	210.02	3.80	1.83	School	2.26	2.84	3.34	3.57	3.80	4.03	4.26	4.76	5.34	
30	206.42	4.67	6.87	Student	-1.12	1.06	2.93	3.80	4.67	5.53	6.41	8.27	10.45	
	211.00	3.78	1.83	School	2.24	2.82	3.32	3.55	3.78	4.01	4.24	4.74	5.32	
35	208.55	4.41	6.87	Student	-1.37	0.81	2.67	3.55	4.41	5.27	6.15	8.01	10.19	
	211.92	3.76	1.83	School	2.22	2.80	3.30	3.53	3.76	3.99	4.22	4.72	5.30	
40	210.57	4.17	6.87	Student	-1.61	0.57	2.43	3.31	4.17	5.03	5.91	7.77	9.95	
	212.78	3.74	1.83	School	2.21	2.79	3.28	3.51	3.74	3.97	4.21	4.70	5.28	
45	212.52	3.94	6.87	Student	-1.84	0.34	2.20	3.08	3.94	4.80	5.68	7.54	9.72	
	213.62	3.73	1.83	School	2.19	2.77	3.26	3.50	3.73	3.96	4.19	4.68	5.26	
48	213.68	3.80	6.87	Student	-1.98	0.20	2.06	2.94	3.80	4.66	5.54	7.40	9.58	
	214.12	3.72	1.83	School	2.18	2.76	3.25	3.49	3.72	3.95	4.18	4.67	5.25	
50	214.45	3.71	6.87	Student	-2.07	0.11	1.97	2.85	3.71	4.57	5.45	7.31	9.49	
	214.45	3.71	1.83	School	2.17	2.75	3.25	3.48	3.71	3.94	4.17	4.67	5.25	
52	215.22	3.62	6.87	Student	-2.16	0.02	1.88	2.76	3.62	4.48	5.36	7.22	9.40	
	214.78	3.70	1.83	School	2.17	2.75	3.24	3.47	3.70	3.93	4.17	4.66	5.24	
55	216.37	3.48	6.87	Student	-2.30	-0.12	1.74	2.62	3.48	4.34	5.22	7.08	9.26	
	215.27	3.69	1.83	School	2.16	2.74	3.23	3.46	3.69	3.92	4.16	4.65	5.23	
60	218.33	3.25	6.87	Student	-2.53	-0.35	1.51	2.39	3.25	4.11	4.99	6.85	9.03	
	216.11	3.68	1.83	School	2.14	2.72	3.21	3.45	3.68	3.91	4.14	4.63	5.21	
65	220.35	3.01	6.87	Student	-2.77	-0.59	1.27	2.15	3.01	3.87	4.75	6.61	8.79	
	216.98	3.66	1.83	School	2.12	2.70	3.20	3.43	3.66	3.89	4.12	4.62	5.20	
70	222.48	2.75	6.87	Student	-3.03	-0.85	1.01	1.89	2.75	3.62	4.49	6.36	8.54	
	217.89	3.64	1.83	School	2.10	2.68	3.18	3.41	3.64	3.87	4.10	4.60	5.18	
75	224.78	2.48	6.87	Student	-3.30	-1.12	0.74	1.62	2.48	3.34	4.22	6.08	8.26	
	218.88	3.62	1.83	School	2.08	2.66	3.16	3.39	3.62	3.85	4.08	4.58	5.16	
80	227.34	2.18	6.87	Student	-3.60	-1.42	0.44	1.31	2.18	3.04	3.92	5.78	7.96	
	219.97	3.60	1.83	School	2.06	2.64	3.13	3.37	3.60	3.83	4.06	4.55	5.13	
85	230.32	1.82	6.87	Student	-3.96	-1.78	0.08	0.96	1.82	2.69	3.56	5.42	7.60	
	221.25	3.57	1.83	School	2.03	2.61	3.11	3.34	3.57	3.80	4.03	4.53	5.11	
90	234.07	1.38	6.87	Student	-4.40	-2.23	-0.36	0.51	1.38	2.24	3.12	4.98	7.16	
	222.86	3.54	1.83	School	2.00	2.58	3.08	3.31	3.54	3.77	4.00	4.50	5.08	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.45: Reading Grade 7 From Fall To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	194.82	4.19	5.42	Student	-0.37	1.35	2.82	3.51	4.19	4.87	5.56	7.03	8.75
	206.03	2.56	1.04	School	1.68	2.01	2.30	2.43	2.56	2.69	2.83	3.11	3.44
20	201.56	3.60	5.42	Student	-0.96	0.75	2.22	2.91	3.60	4.28	4.97	6.44	8.15
	208.92	2.53	1.04	School	1.65	1.98	2.26	2.40	2.53	2.66	2.79	3.07	3.41
25	204.12	3.37	5.42	Student	-1.19	0.53	2.00	2.69	3.37	4.05	4.74	6.21	7.93
	210.02	2.51	1.04	School	1.64	1.97	2.25	2.38	2.51	2.65	2.78	3.06	3.39
30	206.42	3.17	5.42	Student	-1.39	0.33	1.80	2.49	3.17	3.85	4.54	6.01	7.73
	211.00	2.50	1.04	School	1.62	1.96	2.24	2.37	2.50	2.63	2.77	3.05	3.38
35	208.55	2.98	5.42	Student	-1.58	0.14	1.61	2.30	2.98	3.66	4.35	5.82	7.54
	211.92	2.49	1.04	School	1.61	1.95	2.23	2.36	2.49	2.62	2.76	3.04	3.37
40	210.57	2.80	5.42	Student	-1.76	-0.04	1.43	2.12	2.80	3.48	4.18	5.64	7.36
	212.78	2.48	1.04	School	1.60	1.94	2.22	2.35	2.48	2.61	2.75	3.03	3.36
45	212.52	2.63	5.42	Student	-1.93	-0.21	1.26	1.95	2.63	3.31	4.00	5.47	7.19
	213.62	2.47	1.04	School	1.59	1.93	2.21	2.34	2.47	2.60	2.74	3.02	3.35
48	213.68	2.53	5.42	Student	-2.03	-0.31	1.16	1.85	2.53	3.21	3.90	5.37	7.09
	214.12	2.47	1.04	School	1.59	1.92	2.20	2.34	2.47	2.60	2.73	3.01	3.35
50	214.45	2.46	5.42	Student	-2.10	-0.38	1.09	1.78	2.46	3.14	3.84	5.30	7.02
	214.45	2.46	1.04	School	1.58	1.92	2.20	2.33	2.46	2.59	2.73	3.01	3.34
52	215.22	2.40	5.42	Student	-2.16	-0.45	1.02	1.71	2.40	3.08	3.77	5.24	6.95
	214.78	2.46	1.04	School	1.58	1.91	2.19	2.33	2.46	2.59	2.72	3.01	3.34
55	216.37	2.29	5.42	Student	-2.27	-0.55	0.92	1.61	2.29	2.97	3.67	5.13	6.85
	215.27	2.45	1.04	School	1.57	1.91	2.19	2.32	2.45	2.58	2.72	3.00	3.33
60	218.33	2.12	5.42	Student	-2.44	-0.72	0.75	1.44	2.12	2.80	3.49	4.96	6.68
	216.11	2.44	1.04	School	1.57	1.90	2.18	2.31	2.44	2.57	2.71	2.99	3.32
65	220.35	1.94	5.42	Student	-2.61	-0.90	0.57	1.26	1.94	2.63	3.32	4.79	6.50
	216.98	2.43	1.04	School	1.55	1.89	2.17	2.30	2.43	2.56	2.70	2.98	3.31
70	222.48	1.76	5.42	Student	-2.80	-1.08	0.39	1.08	1.76	2.44	3.13	4.60	6.32
	217.89	2.42	1.04	School	1.54	1.88	2.16	2.29	2.42	2.55	2.69	2.97	3.30
75	224.78	1.56	5.42	Student	-3.00	-1.29	0.18	0.87	1.56	2.24	2.93	4.40	6.11
	218.88	2.41	1.04	School	1.53	1.86	2.15	2.28	2.41	2.54	2.68	2.96	3.29
80	227.34	1.33	5.42	Student	-3.23	-1.51	-0.04	0.65	1.33	2.01	2.70	4.17	5.89
	219.97	2.40	1.04	School	1.52	1.85	2.13	2.27	2.40	2.53	2.66	2.95	3.28
85	230.32	1.07	5.42	Student	-3.49	-1.77	-0.30	0.39	1.07	1.75	2.44	3.91	5.63
	221.25	2.38	1.04	School	1.51	1.84	2.12	2.25	2.38	2.51	2.65	2.93	3.26
90	234.07	0.74	5.42	Student	-3.82	-2.10	-0.63	0.06	0.74	1.42	2.11	3.58	5.30
	222.86	2.36	1.04	School	1.49	1.82	2.10	2.23	2.36	2.50	2.63	2.91	3.24

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.46: Reading Grade 7 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth																	
		Mean	SD		20	30	40	45	50	55	60	70	80									
10	197.71	2.20	5.15	Student	-2.13	-0.50	0.90	1.55	2.20	2.85	3.50	4.90	6.53									
	208.49	1.16	0.78	School	0.50	0.75	0.96	1.06	1.16	1.26	1.36	1.57	1.82									
20	204.30	1.87	5.15	Student	-2.46	-0.83	0.57	1.23	1.87	2.52	3.18	4.57	6.21									
	211.38	1.19	0.78	School	0.53	0.78	0.99	1.09	1.19	1.29	1.39	1.60	1.85									
25	206.81	1.75	5.15	Student	-2.58	-0.95	0.44	1.10	1.75	2.40	3.05	4.45	6.08									
	212.48	1.20	0.78	School	0.54	0.79	1.00	1.10	1.20	1.30	1.40	1.61	1.86									
30	209.06	1.64	5.15	Student	-2.70	-1.06	0.33	0.99	1.64	2.28	2.94	4.34	5.97									
	213.46	1.21	0.78	School	0.55	0.80	1.01	1.11	1.21	1.31	1.41	1.62	1.87									
35	211.14	1.53	5.15	Student	-2.80	-1.17	0.23	0.89	1.53	2.18	2.84	4.23	5.87									
	214.38	1.22	0.78	School	0.56	0.81	1.02	1.12	1.22	1.32	1.42	1.63	1.88									
40	213.12	1.44	5.15	Student	-2.90	-1.26	0.13	0.79	1.44	2.08	2.74	4.14	5.77									
	215.25	1.23	0.78	School	0.57	0.82	1.03	1.13	1.23	1.33	1.43	1.64	1.89									
45	215.03	1.34	5.15	Student	-2.99	-1.36	0.04	0.69	1.34	1.99	2.64	4.04	5.67									
	216.09	1.24	0.78	School	0.58	0.83	1.04	1.14	1.24	1.34	1.44	1.65	1.90									
48	216.16	1.28	5.15	Student	-3.05	-1.42	-0.02	0.64	1.28	1.93	2.59	3.98	5.62									
	216.58	1.24	0.78	School	0.58	0.83	1.05	1.15	1.24	1.34	1.44	1.65	1.90									
50	216.91	1.25	5.15	Student	-3.09	-1.45	-0.06	0.60	1.25	1.89	2.55	3.95	5.58									
	216.91	1.25	0.78	School	0.59	0.84	1.05	1.15	1.25	1.35	1.45	1.66	1.91									
52	217.66	1.21	5.15	Student	-3.12	-1.49	-0.09	0.56	1.21	1.86	2.51	3.91	5.54									
	217.24	1.25	0.78	School	0.59	0.84	1.05	1.15	1.25	1.35	1.45	1.66	1.91									
55	218.79	1.15	5.15	Student	-3.18	-1.55	-0.15	0.51	1.15	1.80	2.46	3.85	5.49									
	217.74	1.26	0.78	School	0.60	0.84	1.06	1.16	1.26	1.35	1.45	1.67	1.91									
60	220.71	1.06	5.15	Student	-3.27	-1.64	-0.25	0.41	1.06	1.71	2.36	3.76	5.39									
	218.58	1.26	0.78	School	0.61	0.85	1.07	1.17	1.26	1.36	1.46	1.67	1.92									
65	222.68	0.96	5.15	Student	-3.37	-1.74	-0.34	0.31	0.96	1.61	2.26	3.66	5.29									
	219.44	1.27	0.78	School	0.61	0.86	1.07	1.17	1.27	1.37	1.47	1.68	1.93									
70	224.77	0.86	5.15	Student	-3.48	-1.84	-0.45	0.21	0.86	1.50	2.16	3.56	5.19									
	220.36	1.28	0.78	School	0.62	0.87	1.08	1.18	1.28	1.38	1.48	1.69	1.94									
75	227.02	0.75	5.15	Student	-3.59	-1.95	-0.56	0.10	0.75	1.39	2.05	3.44	5.08									
	221.34	1.29	0.78	School	0.63	0.88	1.09	1.19	1.29	1.39	1.49	1.70	1.95									
80	229.52	0.62	5.15	Student	-3.71	-2.08	-0.68	-0.03	0.62	1.27	1.92	3.32	4.95									
	222.44	1.30	0.78	School	0.64	0.89	1.11	1.21	1.30	1.40	1.50	1.71	1.96									
85	232.44	0.48	5.15	Student	-3.86	-2.22	-0.83	-0.17	0.48	1.12	1.78	3.18	4.81									
	223.72	1.32	0.78	School	0.66	0.91	1.12	1.22	1.32	1.42	1.52	1.73	1.98									
90	236.11	0.29	5.15	Student	-4.04	-2.41	-1.01	-0.35	0.29	0.94	1.60	2.99	4.63									
	225.33	1.33	0.78	School	0.67	0.92	1.13	1.23	1.33	1.43	1.53	1.74	1.99									

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.47: Reading Grade 8 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	195.64	5.71	6.68	Student	0.09	2.21	4.02	4.87	5.71	6.55	7.40	9.21	11.33	
	206.19	3.69	1.76	School	2.21	2.77	3.24	3.47	3.69	3.91	4.13	4.61	5.17	
20	202.48	4.96	6.68	Student	-0.66	1.46	3.27	4.12	4.96	5.80	6.65	8.46	10.58	
	209.41	3.63	1.76	School	2.16	2.71	3.19	3.41	3.63	3.85	4.08	4.55	5.11	
25	205.08	4.67	6.68	Student	-0.95	1.17	2.98	3.83	4.67	5.51	6.37	8.18	10.30	
	210.63	3.61	1.76	School	2.13	2.69	3.17	3.39	3.61	3.83	4.06	4.53	5.09	
30	207.41	4.42	6.68	Student	-1.20	0.92	2.73	3.58	4.42	5.26	6.11	7.92	10.04	
	211.73	3.59	1.76	School	2.12	2.67	3.15	3.37	3.59	3.81	4.04	4.51	5.07	
35	209.57	4.18	6.68	Student	-1.44	0.68	2.49	3.34	4.18	5.02	5.87	7.68	9.80	
	212.75	3.57	1.76	School	2.10	2.65	3.13	3.35	3.57	3.80	4.02	4.50	5.05	
40	211.62	3.96	6.68	Student	-1.66	0.45	2.26	3.12	3.96	4.80	5.65	7.46	9.58	
	213.71	3.56	1.76	School	2.08	2.64	3.11	3.34	3.56	3.78	4.00	4.48	5.04	
45	213.61	3.74	6.68	Student	-1.88	0.24	2.05	2.90	3.74	4.58	5.43	7.24	9.36	
	214.64	3.54	1.76	School	2.06	2.62	3.10	3.32	3.54	3.76	3.99	4.46	5.02	
48	214.78	3.61	6.68	Student	-2.01	0.11	1.92	2.77	3.61	4.45	5.30	7.11	9.23	
	215.20	3.53	1.76	School	2.05	2.61	3.09	3.31	3.53	3.75	3.98	4.45	5.01	
50	215.56	3.53	6.68	Student	-2.10	0.02	1.83	2.69	3.53	4.36	5.22	7.03	9.15	
	215.56	3.53	1.76	School	2.05	2.60	3.08	3.30	3.53	3.75	3.97	4.45	5.00	
52	216.34	3.44	6.68	Student	-2.18	-0.06	1.75	2.60	3.44	4.28	5.13	6.94	9.06	
	215.93	3.52	1.76	School	2.04	2.60	3.07	3.30	3.52	3.74	3.96	4.44	5.00	
55	217.52	3.31	6.68	Student	-2.31	-0.19	1.62	2.47	3.31	4.15	5.00	6.81	8.93	
	216.48	3.51	1.76	School	2.03	2.59	3.06	3.29	3.51	3.73	3.95	4.43	4.99	
60	219.50	3.09	6.68	Student	-2.53	-0.41	1.40	2.25	3.09	3.93	4.79	6.60	8.72	
	217.41	3.49	1.76	School	2.02	2.57	3.05	3.27	3.49	3.71	3.94	4.41	4.97	
65	221.55	2.87	6.68	Student	-2.75	-0.63	1.18	2.03	2.87	3.71	4.56	6.37	8.49	
	218.38	3.48	1.76	School	2.00	2.56	3.03	3.26	3.48	3.70	3.92	4.40	4.95	
70	223.71	2.63	6.68	Student	-2.99	-0.87	0.94	1.79	2.63	3.47	4.32	6.13	8.25	
	219.40	3.46	1.76	School	1.98	2.54	3.01	3.24	3.46	3.68	3.90	4.38	4.94	
75	226.05	2.38	6.68	Student	-3.24	-1.13	0.68	1.54	2.38	3.22	4.07	5.88	8.00	
	220.49	3.44	1.76	School	1.96	2.52	2.99	3.22	3.44	3.66	3.88	4.36	4.92	
80	228.64	2.09	6.68	Student	-3.53	-1.41	0.40	1.25	2.09	2.93	3.78	5.59	7.71	
	221.71	3.42	1.76	School	1.94	2.50	2.97	3.20	3.42	3.64	3.86	4.34	4.90	
85	231.67	1.76	6.68	Student	-3.86	-1.74	0.07	0.92	1.76	2.60	3.45	5.26	7.38	
	223.14	3.39	1.76	School	1.92	2.47	2.95	3.17	3.39	3.61	3.84	4.31	4.87	
90	235.48	1.34	6.68	Student	-4.28	-2.16	-0.35	0.50	1.34	2.18	3.04	4.85	6.96	
	224.93	3.36	1.76	School	1.88	2.44	2.92	3.14	3.36	3.58	3.81	4.28	4.84	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.48: Reading Grade 8 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20	30	40	45	50	55	60	70	80	
10	196.62	6.08	7.96	Student	-0.63	1.90	4.06	5.08	6.08	7.08	8.10	10.25	12.78	
	207.55	3.36	2.23	School	1.49	2.19	2.80	3.08	3.36	3.64	3.93	4.53	5.24	
20	203.61	5.05	7.96	Student	-1.65	0.88	3.03	4.05	5.05	6.05	7.07	9.23	11.75	
	210.79	3.27	2.23	School	1.39	2.10	2.70	2.99	3.27	3.55	3.83	4.44	5.14	
25	206.27	4.66	7.96	Student	-2.04	0.49	2.64	3.66	4.66	5.66	6.68	8.84	11.36	
	212.02	3.23	2.23	School	1.36	2.06	2.67	2.95	3.23	3.51	3.80	4.40	5.11	
30	208.65	4.31	7.96	Student	-2.39	0.14	2.29	3.31	4.31	5.31	6.33	8.49	11.01	
	213.13	3.20	2.23	School	1.33	2.03	2.64	2.92	3.20	3.48	3.77	4.37	5.08	
35	210.86	3.99	7.96	Student	-2.72	-0.19	1.97	2.99	3.99	4.99	6.01	8.16	10.69	
	214.15	3.17	2.23	School	1.30	2.00	2.61	2.89	3.17	3.45	3.74	4.34	5.05	
40	212.96	3.68	7.96	Student	-3.02	-0.50	1.66	2.68	3.68	4.68	5.70	7.86	10.38	
	215.12	3.14	2.23	School	1.27	1.97	2.58	2.86	3.14	3.42	3.71	4.31	5.02	
45	214.99	3.38	7.96	Student	-3.32	-0.79	1.36	2.38	3.38	4.38	5.40	7.56	10.08	
	216.06	3.12	2.23	School	1.24	1.95	2.55	2.84	3.12	3.40	3.68	4.28	4.99	
48	216.19	3.21	7.96	Student	-3.50	-0.97	1.19	2.20	3.21	4.21	5.22	7.38	9.91	
	216.62	3.10	2.23	School	1.22	1.93	2.53	2.82	3.10	3.38	3.66	4.27	4.97	
50	216.99	3.09	7.96	Student	-3.61	-1.09	1.07	2.09	3.09	4.09	5.11	7.27	9.79	
	216.99	3.09	2.23	School	1.21	1.92	2.52	2.81	3.09	3.37	3.65	4.26	4.96	
52	217.78	2.97	7.96	Student	-3.73	-1.20	0.95	1.97	2.97	3.97	4.99	7.15	9.67	
	217.35	3.08	2.23	School	1.20	1.91	2.51	2.80	3.08	3.36	3.64	4.25	4.95	
55	218.98	2.80	7.96	Student	-3.91	-1.38	0.78	1.79	2.80	3.80	4.81	6.97	9.50	
	217.91	3.06	2.23	School	1.19	1.89	2.50	2.78	3.06	3.34	3.63	4.23	4.94	
60	221.01	2.50	7.96	Student	-4.21	-1.68	0.48	1.50	2.50	3.50	4.52	6.67	9.20	
	218.85	3.03	2.23	School	1.16	1.87	2.47	2.75	3.03	3.31	3.60	4.20	4.91	
65	223.11	2.19	7.96	Student	-4.51	-1.99	0.17	1.19	2.19	3.19	4.21	6.37	8.89	
	219.82	3.01	2.23	School	1.13	1.84	2.44	2.73	3.01	3.29	3.57	4.17	4.88	
70	225.32	1.87	7.96	Student	-4.84	-2.31	-0.15	0.86	1.87	2.87	3.88	6.04	8.57	
	220.84	2.98	2.23	School	1.10	1.81	2.41	2.70	2.98	3.26	3.54	4.15	4.85	
75	227.71	1.52	7.96	Student	-5.19	-2.66	-0.50	0.51	1.52	2.52	3.53	5.69	8.22	
	221.95	2.94	2.23	School	1.07	1.78	2.38	2.66	2.94	3.22	3.51	4.11	4.82	
80	230.36	1.13	7.96	Student	-5.58	-3.05	-0.89	0.12	1.13	2.13	3.14	5.30	7.83	
	223.18	2.91	2.23	School	1.03	1.74	2.34	2.63	2.91	3.19	3.47	4.08	4.78	
85	233.46	0.67	7.96	Student	-6.03	-3.51	-1.35	-0.33	0.67	1.67	2.69	4.85	7.37	
	224.61	2.87	2.23	School	0.99	1.70	2.30	2.59	2.87	3.15	3.43	4.04	4.74	
90	237.35	0.10	7.96	Student	-6.60	-4.08	-1.92	-0.90	0.10	1.10	2.12	4.28	6.80	
	226.42	2.81	2.23	School	0.94	1.65	2.25	2.53	2.81	3.09	3.38	3.98	4.69	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.49: Reading Grade 8 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	197.10	3.05 7.83	Student	-3.54	-1.06	1.06	2.06	3.05	4.03	5.03	7.15	9.64	
	207.67	2.81 1.97	School	1.15	1.77	2.31	2.56	2.81	3.06	3.31	3.84	4.47	
20	204.01	3.07 7.83	Student	-3.52	-1.03	1.09	2.09	3.07	4.06	5.06	7.18	9.66	
	210.95	2.92 1.97	School	1.25	1.88	2.42	2.67	2.92	3.16	3.42	3.95	4.58	
25	206.64	3.08 7.83	Student	-3.51	-1.02	1.10	2.10	3.08	4.07	5.07	7.19	9.67	
	212.20	2.96 1.97	School	1.30	1.92	2.46	2.71	2.96	3.21	3.46	3.99	4.62	
30	209.00	3.09 7.83	Student	-3.50	-1.01	1.11	2.11	3.09	4.08	5.08	7.20	9.68	
	213.32	2.99 1.97	School	1.33	1.96	2.49	2.75	2.99	3.24	3.50	4.03	4.66	
35	211.18	3.10 7.83	Student	-3.49	-1.01	1.12	2.12	3.10	4.08	5.08	7.21	9.69	
	214.36	3.03 1.97	School	1.37	1.99	2.53	2.78	3.03	3.28	3.53	4.06	4.69	
40	213.26	3.11 7.83	Student	-3.48	-1.00	1.12	2.12	3.11	4.09	5.09	7.21	9.70	
	215.35	3.06 1.97	School	1.40	2.03	2.56	2.81	3.06	3.31	3.56	4.10	4.72	
45	215.26	3.12 7.83	Student	-3.47	-0.99	1.13	2.13	3.12	4.10	5.10	7.22	9.71	
	216.30	3.09 1.97	School	1.43	2.06	2.59	2.85	3.09	3.34	3.59	4.13	4.76	
48	216.45	3.12 7.83	Student	-3.47	-0.99	1.14	2.14	3.12	4.11	5.10	7.23	9.71	
	216.87	3.11 1.97	School	1.45	2.08	2.61	2.86	3.11	3.36	3.61	4.15	4.77	
50	217.24	3.12 7.83	Student	-3.47	-0.98	1.14	2.14	3.12	4.11	5.11	7.23	9.71	
	217.24	3.12 1.97	School	1.46	2.09	2.62	2.88	3.12	3.37	3.62	4.16	4.79	
52	218.03	3.13 7.83	Student	-3.46	-0.98	1.14	2.14	3.13	4.11	5.11	7.23	9.72	
	217.61	3.14 1.97	School	1.47	2.10	2.64	2.89	3.14	3.38	3.64	4.17	4.80	
55	219.21	3.13 7.83	Student	-3.46	-0.97	1.15	2.15	3.13	4.12	5.12	7.24	9.72	
	218.18	3.16 1.97	School	1.49	2.12	2.65	2.91	3.16	3.40	3.66	4.19	4.82	
60	221.22	3.14 7.83	Student	-3.45	-0.97	1.16	2.16	3.14	4.12	5.12	7.25	9.73	
	219.13	3.19 1.97	School	1.52	2.15	2.69	2.94	3.19	3.43	3.69	4.22	4.85	
65	223.30	3.15 7.83	Student	-3.44	-0.96	1.16	2.16	3.15	4.13	5.13	7.25	9.74	
	220.12	3.22 1.97	School	1.56	2.18	2.72	2.97	3.22	3.47	3.72	4.25	4.88	
70	225.48	3.16 7.83	Student	-3.43	-0.95	1.17	2.17	3.16	4.14	5.14	7.26	9.75	
	221.16	3.25 1.97	School	1.59	2.22	2.75	3.01	3.25	3.50	3.75	4.29	4.92	
75	227.84	3.17 7.83	Student	-3.42	-0.94	1.18	2.18	3.17	4.15	5.15	7.27	9.76	
	222.28	3.29 1.97	School	1.63	2.25	2.79	3.04	3.29	3.54	3.79	4.33	4.95	
80	230.47	3.18 7.83	Student	-3.41	-0.93	1.19	2.19	3.18	4.16	5.16	7.28	9.77	
	223.52	3.33 1.97	School	1.67	2.30	2.83	3.08	3.33	3.58	3.83	4.37	4.99	
85	233.53	3.19 7.83	Student	-3.40	-0.92	1.20	2.20	3.19	4.17	5.17	7.29	9.78	
	224.98	3.38 1.97	School	1.72	2.34	2.88	3.13	3.38	3.63	3.88	4.42	5.04	
90	237.38	3.20 7.83	Student	-3.39	-0.90	1.22	2.22	3.20	4.19	5.19	7.31	9.79	
	226.81	3.44 1.97	School	1.78	2.40	2.94	3.19	3.44	3.69	3.94	4.48	5.10	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.50: Reading Grade 8 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	197.10	5.56	7.91	Student	-1.10	1.41	3.55	4.56	5.56	6.55	7.56	9.70	12.21	
	207.67	3.25	2.23	School	1.37	2.08	2.68	2.97	3.25	3.53	3.81	4.42	5.12	
20	204.01	4.62	7.91	Student	-2.03	0.48	2.62	3.63	4.62	5.62	6.62	8.77	11.28	
	210.95	3.11	2.23	School	1.23	1.94	2.54	2.83	3.11	3.39	3.67	4.28	4.98	
25	206.64	4.27	7.91	Student	-2.39	0.12	2.26	3.27	4.27	5.26	6.27	8.41	10.92	
	212.20	3.05	2.23	School	1.18	1.88	2.49	2.77	3.05	3.33	3.62	4.22	4.93	
30	209.00	3.95	7.91	Student	-2.71	-0.20	1.94	2.95	3.95	4.94	5.95	8.09	10.60	
	213.32	3.00	2.23	School	1.13	1.83	2.44	2.72	3.00	3.28	3.57	4.17	4.88	
35	211.18	3.65	7.91	Student	-3.00	-0.49	1.65	2.66	3.65	4.65	5.66	7.80	10.31	
	214.36	2.96	2.23	School	1.08	1.79	2.39	2.68	2.96	3.24	3.52	4.13	4.84	
40	213.26	3.37	7.91	Student	-3.28	-0.77	1.37	2.38	3.37	4.37	5.38	7.52	10.03	
	215.35	2.92	2.23	School	1.04	1.75	2.35	2.64	2.92	3.20	3.48	4.09	4.79	
45	215.26	3.10	7.91	Student	-3.55	-1.04	1.10	2.11	3.10	4.10	5.10	7.25	9.76	
	216.30	2.88	2.23	School	1.00	1.71	2.31	2.60	2.88	3.16	3.44	4.04	4.75	
48	216.45	2.94	7.91	Student	-3.71	-1.21	0.94	1.95	2.94	3.93	4.94	7.09	9.60	
	216.87	2.85	2.23	School	0.97	1.68	2.29	2.57	2.85	3.13	3.42	4.02	4.73	
50	217.24	2.83	7.91	Student	-3.82	-1.31	0.83	1.84	2.83	3.83	4.84	6.98	9.49	
	217.24	2.83	2.23	School	0.96	1.67	2.27	2.55	2.83	3.11	3.40	4.00	4.71	
52	218.03	2.73	7.91	Student	-3.93	-1.42	0.72	1.73	2.73	3.72	4.73	6.87	9.38	
	217.61	2.82	2.23	School	0.94	1.65	2.25	2.54	2.82	3.10	3.38	3.99	4.69	
55	219.21	2.57	7.91	Student	-4.09	-1.58	0.56	1.57	2.57	3.56	4.57	6.71	9.22	
	218.18	2.79	2.23	School	0.92	1.62	2.23	2.51	2.79	3.07	3.36	3.96	4.67	
60	221.22	2.30	7.91	Student	-4.36	-1.85	0.29	1.30	2.30	3.29	4.30	6.44	8.95	
	219.13	2.75	2.23	School	0.88	1.58	2.19	2.47	2.75	3.03	3.32	3.92	4.63	
65	223.30	2.02	7.91	Student	-4.64	-2.13	0.01	1.02	2.02	3.01	4.02	6.16	8.67	
	220.12	2.71	2.23	School	0.83	1.54	2.15	2.43	2.71	2.99	3.28	3.88	4.59	
70	225.48	1.72	7.91	Student	-4.93	-2.43	-0.28	0.73	1.72	2.71	3.72	5.87	8.38	
	221.16	2.67	2.23	School	0.79	1.50	2.10	2.39	2.67	2.95	3.23	3.83	4.54	
75	227.84	1.40	7.91	Student	-5.25	-2.74	-0.60	0.41	1.40	2.40	3.41	5.55	8.06	
	222.28	2.62	2.23	School	0.74	1.45	2.05	2.34	2.62	2.90	3.18	3.79	4.49	
80	230.47	1.05	7.91	Student	-5.61	-3.10	-0.96	0.05	1.05	2.04	3.05	5.19	7.70	
	223.52	2.56	2.23	School	0.69	1.39	2.00	2.28	2.56	2.84	3.13	3.73	4.44	
85	233.53	0.63	7.91	Student	-6.02	-3.51	-1.37	-0.36	0.63	1.63	2.64	4.78	7.29	
	224.98	2.50	2.23	School	0.62	1.33	1.94	2.22	2.50	2.78	3.06	3.67	4.38	
90	237.38	0.11	7.91	Student	-6.54	-4.03	-1.89	-0.88	0.11	1.11	2.12	4.26	6.77	
	226.81	2.42	2.23	School	0.54	1.25	1.86	2.14	2.42	2.70	2.99	3.59	4.30	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.51: Reading Grade 8 From Fall To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth										
	%ile	RIT	Mean	SD	CGP	20	30	40	45	50	55	60	70	80
					CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	197.10	3.78	5.85	Student	-1.14	0.71	2.30	3.05	3.78	4.52	5.27	6.85	8.71	
	207.67	2.08	1.27	School	1.01	1.42	1.76	1.92	2.08	2.24	2.41	2.75	3.16	
20	204.01	3.12	5.85	Student	-1.81	0.05	1.64	2.38	3.12	3.85	4.60	6.19	8.05	
	210.95	2.00	1.27	School	0.93	1.34	1.68	1.84	2.00	2.16	2.33	2.67	3.08	
25	206.64	2.87	5.85	Student	-2.06	-0.20	1.38	2.13	2.87	3.60	4.35	5.94	7.79	
	212.20	1.97	1.27	School	0.90	1.30	1.65	1.81	1.97	2.13	2.30	2.64	3.05	
30	209.00	2.64	5.85	Student	-2.29	-0.43	1.16	1.90	2.64	3.38	4.12	5.71	7.57	
	213.32	1.94	1.27	School	0.87	1.28	1.62	1.78	1.94	2.10	2.27	2.61	3.02	
35	211.18	2.43	5.85	Student	-2.50	-0.64	0.95	1.69	2.43	3.17	3.91	5.50	7.36	
	214.36	1.92	1.27	School	0.85	1.25	1.60	1.76	1.92	2.08	2.24	2.59	2.99	
40	213.26	2.23	5.85	Student	-2.70	-0.84	0.75	1.49	2.23	2.97	3.71	5.30	7.16	
	215.35	1.89	1.27	School	0.82	1.23	1.57	1.73	1.89	2.05	2.22	2.56	2.97	
45	215.26	2.04	5.85	Student	-2.89	-1.03	0.55	1.30	2.04	2.77	3.52	5.11	6.97	
	216.30	1.87	1.27	School	0.80	1.20	1.55	1.71	1.87	2.03	2.19	2.54	2.94	
48	216.45	1.92	5.85	Student	-3.00	-1.15	0.44	1.19	1.92	2.66	3.41	4.99	6.85	
	216.87	1.86	1.27	School	0.78	1.19	1.53	1.70	1.86	2.02	2.18	2.53	2.93	
50	217.24	1.85	5.85	Student	-3.08	-1.22	0.36	1.11	1.85	2.58	3.33	4.92	6.78	
	217.24	1.85	1.27	School	0.78	1.18	1.53	1.69	1.85	2.01	2.17	2.52	2.92	
52	218.03	1.77	5.85	Student	-3.15	-1.30	0.29	1.04	1.77	2.51	3.26	4.84	6.70	
	217.61	1.84	1.27	School	0.77	1.17	1.52	1.68	1.84	2.00	2.16	2.51	2.91	
55	219.21	1.66	5.85	Student	-3.27	-1.41	0.18	0.92	1.66	2.39	3.14	4.73	6.59	
	218.18	1.82	1.27	School	0.75	1.16	1.50	1.66	1.82	1.98	2.15	2.49	2.90	
60	221.22	1.47	5.85	Student	-3.46	-1.60	-0.02	0.73	1.47	2.20	2.95	4.54	6.39	
	219.13	1.80	1.27	School	0.73	1.13	1.48	1.64	1.80	1.96	2.12	2.47	2.87	
65	223.30	1.27	5.85	Student	-3.66	-1.80	-0.22	0.53	1.27	2.00	2.75	4.34	6.19	
	220.12	1.78	1.27	School	0.70	1.11	1.45	1.62	1.78	1.94	2.10	2.45	2.85	
70	225.48	1.06	5.85	Student	-3.87	-2.01	-0.43	0.32	1.06	1.79	2.54	4.13	5.98	
	221.16	1.75	1.27	School	0.68	1.08	1.43	1.59	1.75	1.91	2.07	2.42	2.82	
75	227.84	0.83	5.85	Student	-4.10	-2.24	-0.65	0.09	0.83	1.57	2.31	3.90	5.76	
	222.28	1.72	1.27	School	0.65	1.06	1.40	1.56	1.72	1.88	2.05	2.39	2.80	
80	230.47	0.58	5.85	Student	-4.35	-2.49	-0.91	-0.16	0.58	1.31	2.06	3.65	5.50	
	223.52	1.69	1.27	School	0.62	1.02	1.37	1.53	1.69	1.85	2.02	2.36	2.77	
85	233.53	0.28	5.85	Student	-4.64	-2.79	-1.20	-0.45	0.28	1.02	1.77	3.35	5.21	
	224.98	1.66	1.27	School	0.58	0.99	1.33	1.50	1.66	1.82	1.98	2.33	2.73	
90	237.38	-0.09	5.85	Student	-5.01	-3.16	-1.57	-0.82	-0.09	0.65	1.40	2.98	4.84	
	226.81	1.61	1.27	School	0.54	0.94	1.29	1.45	1.61	1.77	1.93	2.28	2.68	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.52: Reading Grade 8 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	199.40	1.77	5.45	Student	-2.81	-1.08	0.39	1.09	1.77	2.46	3.16	4.63	6.36	
	209.61	0.95	0.97	School	0.14	0.44	0.71	0.83	0.95	1.07	1.20	1.46	1.76	
20	206.16	1.50	5.45	Student	-3.08	-1.35	0.12	0.82	1.50	2.19	2.88	4.36	6.09	
	212.87	0.96	0.97	School	0.15	0.46	0.72	0.84	0.96	1.08	1.21	1.47	1.78	
25	208.72	1.40	5.45	Student	-3.19	-1.46	0.02	0.72	1.40	2.09	2.78	4.26	5.99	
	214.10	0.97	0.97	School	0.15	0.46	0.72	0.85	0.97	1.09	1.21	1.47	1.78	
30	211.03	1.31	5.45	Student	-3.28	-1.55	-0.07	0.62	1.31	1.99	2.69	4.17	5.90	
	215.21	0.97	0.97	School	0.16	0.47	0.73	0.85	0.97	1.09	1.22	1.48	1.79	
35	213.17	1.22	5.45	Student	-3.36	-1.64	-0.16	0.54	1.22	1.91	2.60	4.08	5.81	
	216.24	0.98	0.97	School	0.16	0.47	0.73	0.85	0.98	1.10	1.22	1.48	1.79	
40	215.19	1.14	5.45	Student	-3.45	-1.72	-0.24	0.46	1.14	1.83	2.52	4.00	5.73	
	217.21	0.98	0.97	School	0.17	0.47	0.73	0.86	0.98	1.10	1.22	1.49	1.79	
45	217.16	1.06	5.45	Student	-3.52	-1.79	-0.32	0.38	1.06	1.75	2.44	3.92	5.65	
	218.16	0.98	0.97	School	0.17	0.48	0.74	0.86	0.98	1.10	1.23	1.49	1.80	
48	218.32	1.02	5.45	Student	-3.57	-1.84	-0.36	0.33	1.02	1.70	2.40	3.88	5.61	
	218.72	0.99	0.97	School	0.17	0.48	0.74	0.86	0.99	1.11	1.23	1.49	1.80	
50	219.09	0.99	5.45	Student	-3.60	-1.87	-0.39	0.30	0.99	1.67	2.37	3.85	5.57	
	219.09	0.99	0.97	School	0.17	0.48	0.74	0.87	0.99	1.11	1.23	1.49	1.80	
52	219.86	0.96	5.45	Student	-3.63	-1.90	-0.43	0.27	0.96	1.64	2.34	3.81	5.54	
	219.46	0.99	0.97	School	0.17	0.48	0.74	0.87	0.99	1.11	1.23	1.49	1.80	
55	221.02	0.91	5.45	Student	-3.68	-1.95	-0.47	0.22	0.91	1.59	2.29	3.77	5.50	
	220.02	0.99	0.97	School	0.18	0.48	0.75	0.87	0.99	1.11	1.23	1.50	1.80	
60	222.98	0.83	5.45	Student	-3.76	-2.03	-0.55	0.15	0.83	1.52	2.21	3.69	5.42	
	220.96	0.99	0.97	School	0.18	0.49	0.75	0.87	0.99	1.12	1.24	1.50	1.81	
65	225.01	0.75	5.45	Student	-3.84	-2.11	-0.63	0.06	0.75	1.43	2.13	3.61	5.34	
	221.94	1.00	0.97	School	0.18	0.49	0.75	0.88	1.00	1.12	1.24	1.50	1.81	
70	227.15	0.66	5.45	Student	-3.92	-2.19	-0.72	-0.02	0.66	1.35	2.05	3.52	5.25	
	222.96	1.00	0.97	School	0.19	0.49	0.76	0.88	1.00	1.12	1.25	1.51	1.81	
75	229.45	0.57	5.45	Student	-4.02	-2.29	-0.81	-0.11	0.57	1.26	1.95	3.43	5.16	
	224.07	1.01	0.97	School	0.19	0.50	0.76	0.88	1.01	1.13	1.25	1.51	1.82	
80	232.02	0.47	5.45	Student	-4.12	-2.39	-0.91	-0.22	0.47	1.15	1.85	3.33	5.06	
	225.31	1.01	0.97	School	0.20	0.50	0.77	0.89	1.01	1.13	1.26	1.52	1.82	
85	235.01	0.35	5.45	Student	-4.24	-2.51	-1.03	-0.34	0.35	1.03	1.73	3.21	4.94	
	226.75	1.02	0.97	School	0.20	0.51	0.77	0.89	1.02	1.14	1.26	1.52	1.83	
90	238.78	0.20	5.45	Student	-4.39	-2.66	-1.18	-0.49	0.20	0.88	1.58	3.06	4.79	
	228.56	1.02	0.97	School	0.21	0.52	0.78	0.90	1.02	1.14	1.27	1.53	1.84	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.53: Reading Grade 9 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	RIT	Growth		CGP CGI	Conditional Growth									
		Mean	SD		20	30	40	45	50	55	60	70	80	
10	199.00	4.65	7.26	Student	-1.46	0.85	2.81	3.74	4.65	5.57	6.49	8.46	10.76	
	210.06	2.40	2.16	School	0.59	1.27	1.86	2.13	2.40	2.68	2.95	3.54	4.22	
20	205.99	3.71	7.26	Student	-2.40	-0.10	1.87	2.79	3.71	4.62	5.55	7.51	9.82	
	213.25	2.23	2.16	School	0.42	1.10	1.68	1.96	2.23	2.50	2.78	3.36	4.05	
25	208.65	3.35	7.26	Student	-2.76	-0.46	1.51	2.44	3.35	4.26	5.19	7.15	9.46	
	214.47	2.16	2.16	School	0.35	1.03	1.62	1.89	2.16	2.44	2.71	3.30	3.98	
30	211.04	3.03	7.26	Student	-3.08	-0.78	1.19	2.11	3.03	3.94	4.86	6.83	9.13	
	215.56	2.10	2.16	School	0.29	0.97	1.56	1.83	2.10	2.38	2.65	3.24	3.92	
35	213.25	2.73	7.26	Student	-3.38	-1.08	0.89	1.81	2.73	3.64	4.57	6.53	8.84	
	216.57	2.05	2.16	School	0.23	0.92	1.50	1.78	2.05	2.32	2.60	3.18	3.87	
40	215.34	2.44	7.26	Student	-3.67	-1.36	0.60	1.53	2.44	3.35	4.28	6.25	8.55	
	217.53	2.00	2.16	School	0.18	0.87	1.45	1.73	2.00	2.27	2.54	3.13	3.81	
45	217.37	2.17	7.26	Student	-3.94	-1.64	0.33	1.26	2.17	3.08	4.01	5.97	8.28	
	218.46	1.95	2.16	School	0.13	0.82	1.40	1.68	1.95	2.22	2.49	3.08	3.76	
48	218.57	2.01	7.26	Student	-4.10	-1.80	0.17	1.09	2.01	2.92	3.84	5.81	8.11	
	219.01	1.92	2.16	School	0.10	0.79	1.37	1.65	1.92	2.19	2.46	3.05	3.73	
50	219.37	1.90	7.26	Student	-4.21	-1.91	0.06	0.99	1.90	2.81	3.74	5.70	8.01	
	219.37	1.90	2.16	School	0.08	0.77	1.35	1.63	1.90	2.17	2.44	3.03	3.71	
52	220.17	1.79	7.26	Student	-4.32	-2.02	-0.05	0.88	1.79	2.70	3.63	5.60	7.90	
	219.74	1.88	2.16	School	0.06	0.75	1.33	1.61	1.88	2.15	2.42	3.01	3.69	
55	221.37	1.63	7.26	Student	-4.48	-2.18	-0.21	0.71	1.63	2.54	3.47	5.43	7.74	
	220.29	1.85	2.16	School	0.03	0.72	1.30	1.58	1.85	2.12	2.39	2.98	3.66	
60	223.40	1.35	7.26	Student	-4.76	-2.45	-0.49	0.44	1.35	2.26	3.19	5.16	7.46	
	221.21	1.80	2.16	School	-0.02	0.67	1.25	1.53	1.80	2.07	2.34	2.93	3.61	
65	225.50	1.07	7.26	Student	-5.04	-2.74	-0.77	0.16	1.07	1.98	2.91	4.88	7.18	
	222.17	1.74	2.16	School	-0.07	0.61	1.20	1.47	1.74	2.02	2.29	2.88	3.56	
70	227.71	0.77	7.26	Student	-5.34	-3.04	-1.07	-0.14	0.77	1.68	2.61	4.58	6.88	
	223.18	1.69	2.16	School	-0.13	0.56	1.14	1.42	1.69	1.96	2.24	2.82	3.51	
75	230.09	0.45	7.26	Student	-5.66	-3.36	-1.39	-0.47	0.45	1.36	2.29	4.25	6.56	
	224.27	1.63	2.16	School	-0.18	0.50	1.08	1.36	1.63	1.90	2.18	2.76	3.45	
80	232.75	0.09	7.26	Student	-6.02	-3.72	-1.75	-0.82	0.09	1.00	1.93	3.89	6.20	
	225.49	1.56	2.16	School	-0.25	0.43	1.02	1.29	1.56	1.84	2.11	2.70	3.38	
85	235.85	-0.33	7.26	Student	-6.44	-4.14	-2.17	-1.24	-0.33	0.58	1.51	3.48	5.78	
	226.91	1.49	2.16	School	-0.33	0.36	0.94	1.22	1.49	1.76	2.03	2.62	3.30	
90	239.74	-0.86	7.26	Student	-6.97	-4.67	-2.70	-1.77	-0.86	0.05	0.98	2.95	5.25	
	228.69	1.39	2.16	School	-0.43	0.26	0.84	1.12	1.39	1.66	1.94	2.52	3.21	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.54: Reading Grade 9 From Last Spring To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	199.09	4.95	8.32	Student	-2.06	0.58	2.84	3.90	4.95	5.99	7.06	9.31	11.95	
	210.67	2.33	2.67	School	0.08	0.93	1.66	2.00	2.33	2.67	3.01	3.73	4.58	
20	206.41	3.75	8.32	Student	-3.25	-0.61	1.65	2.71	3.75	4.80	5.86	8.12	10.76	
	214.01	2.04	2.67	School	-0.21	0.64	1.36	1.70	2.04	2.37	2.72	3.44	4.29	
25	209.18	3.30	8.32	Student	-3.70	-1.06	1.19	2.26	3.30	4.35	5.41	7.67	10.31	
	215.28	1.93	2.67	School	-0.32	0.52	1.25	1.59	1.93	2.26	2.60	3.33	4.18	
30	211.68	2.90	8.32	Student	-4.11	-1.47	0.79	1.85	2.90	3.94	5.00	7.26	9.90	
	216.42	1.83	2.67	School	-0.42	0.42	1.15	1.49	1.83	2.16	2.50	3.23	4.08	
35	213.99	2.52	8.32	Student	-4.49	-1.85	0.41	1.47	2.52	3.57	4.63	6.88	9.52	
	217.47	1.73	2.67	School	-0.52	0.33	1.06	1.40	1.73	2.07	2.41	3.13	3.98	
40	216.18	2.16	8.32	Student	-4.84	-2.20	0.05	1.12	2.16	3.21	4.27	6.53	9.17	
	218.47	1.64	2.67	School	-0.60	0.24	0.97	1.31	1.64	1.98	2.32	3.05	3.89	
45	218.31	1.82	8.32	Student	-5.19	-2.55	-0.29	0.77	1.82	2.86	3.92	6.18	8.82	
	219.44	1.56	2.67	School	-0.69	0.16	0.88	1.22	1.56	1.90	2.24	2.96	3.81	
48	219.56	1.61	8.32	Student	-5.39	-2.75	-0.50	0.57	1.61	2.66	3.72	5.98	8.62	
	220.01	1.51	2.67	School	-0.74	0.11	0.83	1.17	1.51	1.84	2.19	2.91	3.76	
50	220.40	1.48	8.32	Student	-5.53	-2.89	-0.63	0.43	1.48	2.52	3.58	5.84	8.48	
	220.40	1.48	2.67	School	-0.77	0.07	0.80	1.14	1.48	1.81	2.15	2.88	3.72	
52	221.23	1.34	8.32	Student	-5.67	-3.03	-0.77	0.29	1.34	2.39	3.45	5.70	8.35	
	220.78	1.44	2.67	School	-0.81	0.04	0.76	1.11	1.44	1.78	2.12	2.84	3.69	
55	222.48	1.14	8.32	Student	-5.87	-3.23	-0.97	0.09	1.14	2.18	3.24	5.50	8.14	
	221.35	1.39	2.67	School	-0.86	-0.01	0.71	1.06	1.39	1.73	2.07	2.79	3.64	
60	224.61	0.79	8.32	Student	-6.22	-3.58	-1.32	-0.26	0.79	1.84	2.90	5.15	7.80	
	222.32	1.31	2.67	School	-0.94	-0.10	0.63	0.97	1.31	1.64	1.98	2.71	3.56	
65	226.80	0.43	8.32	Student	-6.57	-3.93	-1.68	-0.61	0.43	1.48	2.54	4.80	7.44	
	223.32	1.22	2.67	School	-1.03	-0.18	0.54	0.88	1.22	1.55	1.89	2.62	3.47	
70	229.11	0.06	8.32	Student	-6.95	-4.31	-2.05	-0.99	0.06	1.10	2.16	4.42	7.06	
	224.37	1.13	2.67	School	-1.12	-0.28	0.45	0.79	1.13	1.46	1.80	2.53	3.37	
75	231.61	-0.35	8.32	Student	-7.36	-4.72	-2.46	-1.40	-0.35	0.69	1.76	4.01	6.65	
	225.51	1.02	2.67	School	-1.22	-0.38	0.35	0.69	1.02	1.36	1.70	2.43	3.27	
80	234.38	-0.80	8.32	Student	-7.81	-5.17	-2.91	-1.85	-0.80	0.24	1.30	3.56	6.20	
	226.78	0.91	2.67	School	-1.34	-0.49	0.24	0.58	0.91	1.25	1.59	2.31	3.16	
85	237.62	-1.33	8.32	Student	-8.34	-5.70	-3.44	-2.38	-1.33	-0.29	0.78	3.03	5.67	
	228.26	0.78	2.67	School	-1.47	-0.62	0.11	0.45	0.78	1.12	1.46	2.18	3.03	
90	241.70	-2.00	8.32	Student	-9.00	-6.36	-4.10	-3.04	-2.00	-0.95	0.11	2.37	5.01	
	230.12	0.62	2.67	School	-1.63	-0.78	-0.06	0.28	0.62	0.95	1.30	2.02	2.87	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.55: Reading Grade 9 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20	30	40	45	50	55	60	70	80	
10	200.12	2.17	7.84	Student	-4.43	-1.94	0.18	1.18	2.17	3.15	4.15	6.28	8.76	
	211.08	1.58	2.17	School	-0.25	0.44	1.03	1.30	1.58	1.85	2.12	2.71	3.40	
20	207.02	2.09	7.84	Student	-4.51	-2.02	0.10	1.10	2.09	3.07	4.07	6.20	8.68	
	214.21	1.70	2.17	School	-0.13	0.56	1.15	1.42	1.70	1.97	2.24	2.83	3.52	
25	209.64	2.05	7.84	Student	-4.54	-2.06	0.07	1.07	2.05	3.04	4.04	6.16	8.65	
	215.41	1.74	2.17	School	-0.08	0.60	1.19	1.47	1.74	2.01	2.29	2.88	3.57	
30	211.99	2.03	7.84	Student	-4.57	-2.08	0.04	1.04	2.03	3.01	4.01	6.14	8.62	
	216.48	1.78	2.17	School	-0.04	0.65	1.23	1.51	1.78	2.06	2.33	2.92	3.61	
35	214.17	2.00	7.84	Student	-4.60	-2.11	0.01	1.01	2.00	2.98	3.98	6.11	8.60	
	217.47	1.82	2.17	School	-0.00	0.68	1.27	1.55	1.82	2.09	2.37	2.96	3.65	
40	216.24	1.97	7.84	Student	-4.62	-2.14	-0.01	0.99	1.97	2.96	3.96	6.08	8.57	
	218.41	1.86	2.17	School	0.03	0.72	1.31	1.58	1.86	2.13	2.41	2.99	3.68	
45	218.24	1.95	7.84	Student	-4.65	-2.16	-0.04	0.97	1.95	2.93	3.94	6.06	8.55	
	219.32	1.89	2.17	School	0.07	0.76	1.34	1.62	1.89	2.16	2.44	3.03	3.72	
48	219.43	1.94	7.84	Student	-4.66	-2.17	-0.05	0.95	1.94	2.92	3.92	6.05	8.53	
	219.86	1.91	2.17	School	0.09	0.78	1.36	1.64	1.91	2.18	2.46	3.05	3.74	
50	220.22	1.93	7.84	Student	-4.67	-2.18	-0.06	0.94	1.93	2.91	3.91	6.04	8.52	
	220.22	1.93	2.17	School	0.10	0.79	1.38	1.65	1.93	2.20	2.48	3.06	3.75	
52	221.00	1.92	7.84	Student	-4.68	-2.19	-0.07	0.93	1.92	2.90	3.90	6.03	8.51	
	220.57	1.94	2.17	School	0.12	0.80	1.39	1.67	1.94	2.21	2.49	3.08	3.76	
55	222.19	1.90	7.84	Student	-4.69	-2.21	-0.08	0.92	1.90	2.89	3.89	6.01	8.50	
	221.11	1.96	2.17	School	0.14	0.82	1.41	1.69	1.96	2.23	2.51	3.10	3.79	
60	224.19	1.88	7.84	Student	-4.72	-2.23	-0.11	0.89	1.88	2.86	3.86	5.99	8.47	
	222.02	2.00	2.17	School	0.17	0.86	1.45	1.72	2.00	2.27	2.54	3.13	3.82	
65	226.26	1.85	7.84	Student	-4.74	-2.26	-0.13	0.87	1.85	2.84	3.84	5.96	8.45	
	222.96	2.03	2.17	School	0.21	0.90	1.48	1.76	2.03	2.30	2.58	3.17	3.86	
70	228.44	1.83	7.84	Student	-4.77	-2.28	-0.16	0.84	1.83	2.81	3.81	5.94	8.42	
	223.96	2.07	2.17	School	0.25	0.93	1.52	1.80	2.07	2.34	2.62	3.21	3.89	
75	230.79	1.80	7.84	Student	-4.80	-2.31	-0.19	0.81	1.80	2.78	3.78	5.91	8.39	
	225.03	2.11	2.17	School	0.29	0.97	1.56	1.84	2.11	2.38	2.66	3.25	3.94	
80	233.41	1.77	7.84	Student	-4.83	-2.34	-0.22	0.78	1.77	2.75	3.75	5.88	8.36	
	226.22	2.16	2.17	School	0.33	1.02	1.61	1.88	2.16	2.43	2.71	3.29	3.98	
85	236.47	1.73	7.84	Student	-4.87	-2.38	-0.26	0.75	1.73	2.72	3.72	5.84	8.33	
	227.61	2.21	2.17	School	0.39	1.07	1.66	1.94	2.21	2.48	2.76	3.35	4.03	
90	240.31	1.68	7.84	Student	-4.91	-2.43	-0.30	0.70	1.68	2.67	3.67	5.79	8.28	
	229.36	2.28	2.17	School	0.45	1.14	1.73	2.00	2.28	2.55	2.83	3.41	4.10	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.56: Reading Grade 9 From Fall To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	200.12	4.18	8.65	Student	-3.10	-0.36	1.99	3.09	4.18	5.27	6.37	8.72	11.46
	211.08	1.77	2.32	School	-0.18	0.55	1.18	1.48	1.77	2.06	2.36	2.98	3.72
20	207.02	3.31	8.65	Student	-3.97	-1.22	1.12	2.23	3.31	4.40	5.51	7.85	10.59
	214.21	1.73	2.32	School	-0.22	0.51	1.14	1.44	1.73	2.02	2.32	2.94	3.68
25	209.64	2.98	8.65	Student	-4.30	-1.55	0.79	1.90	2.98	4.07	5.18	7.52	10.27
	215.41	1.71	2.32	School	-0.24	0.50	1.13	1.42	1.71	2.01	2.30	2.93	3.67
30	211.99	2.69	8.65	Student	-4.59	-1.85	0.50	1.60	2.69	3.78	4.88	7.23	9.97
	216.48	1.70	2.32	School	-0.25	0.49	1.11	1.41	1.70	1.99	2.29	2.92	3.65
35	214.17	2.41	8.65	Student	-4.87	-2.12	0.22	1.33	2.41	3.50	4.61	6.95	9.70
	217.47	1.69	2.32	School	-0.26	0.47	1.10	1.40	1.69	1.98	2.28	2.90	3.64
40	216.24	2.15	8.65	Student	-5.13	-2.38	-0.04	1.07	2.15	3.24	4.35	6.69	9.44
	218.41	1.68	2.32	School	-0.27	0.46	1.09	1.39	1.68	1.97	2.26	2.89	3.63
45	218.24	1.90	8.65	Student	-5.38	-2.63	-0.29	0.82	1.90	2.99	4.09	6.44	9.18
	219.32	1.67	2.32	School	-0.28	0.45	1.08	1.38	1.67	1.96	2.25	2.88	3.62
48	219.43	1.75	8.65	Student	-5.53	-2.78	-0.44	0.67	1.75	2.84	3.95	6.29	9.04
	219.86	1.66	2.32	School	-0.29	0.44	1.07	1.37	1.66	1.95	2.25	2.88	3.61
50	220.22	1.66	8.65	Student	-5.63	-2.88	-0.54	0.57	1.66	2.74	3.85	6.19	8.94
	220.22	1.66	2.32	School	-0.30	0.44	1.07	1.36	1.66	1.95	2.24	2.87	3.61
52	221.00	1.56	8.65	Student	-5.72	-2.98	-0.64	0.47	1.56	2.64	3.75	6.09	8.84
	220.57	1.65	2.32	School	-0.30	0.44	1.06	1.36	1.65	1.94	2.24	2.87	3.60
55	222.19	1.41	8.65	Student	-5.87	-3.13	-0.78	0.32	1.41	2.50	3.60	5.94	8.69
	221.11	1.64	2.32	School	-0.31	0.43	1.06	1.35	1.64	1.94	2.23	2.86	3.59
60	224.19	1.16	8.65	Student	-6.12	-3.38	-1.04	0.07	1.16	2.24	3.35	5.69	8.44
	222.02	1.63	2.32	School	-0.32	0.42	1.05	1.34	1.63	1.92	2.22	2.85	3.58
65	226.26	0.90	8.65	Student	-6.38	-3.64	-1.30	-0.19	0.90	1.98	3.09	5.43	8.18
	222.96	1.62	2.32	School	-0.33	0.41	1.03	1.33	1.62	1.91	2.21	2.84	3.57
70	228.44	0.62	8.65	Student	-6.66	-3.91	-1.57	-0.46	0.62	1.71	2.81	5.16	7.90
	223.96	1.61	2.32	School	-0.34	0.39	1.02	1.32	1.61	1.90	2.20	2.82	3.56
75	230.79	0.33	8.65	Student	-6.95	-4.21	-1.86	-0.76	0.33	1.41	2.52	4.86	7.61
	225.03	1.60	2.32	School	-0.35	0.38	1.01	1.30	1.60	1.89	2.18	2.81	3.55
80	233.41	-0.00	8.65	Student	-7.28	-4.54	-2.19	-1.09	-0.00	1.08	2.19	4.53	7.28
	226.22	1.58	2.32	School	-0.37	0.37	0.99	1.29	1.58	1.87	2.17	2.80	3.53
85	236.47	-0.39	8.65	Student	-7.67	-4.92	-2.58	-1.47	-0.39	0.70	1.81	4.15	6.90
	227.61	1.56	2.32	School	-0.39	0.35	0.98	1.27	1.56	1.86	2.15	2.78	3.51
90	240.31	-0.87	8.65	Student	-8.15	-5.41	-3.06	-1.96	-0.87	0.22	1.32	3.67	6.41
	229.36	1.54	2.32	School	-0.41	0.33	0.96	1.25	1.54	1.83	2.13	2.76	3.49

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.57: Reading Grade 9 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20	30	40	45	50	55	60	70	80	
10	200.12	2.88	6.19	Student	-2.33	-0.37	1.31	2.10	2.88	3.66	4.45	6.13	8.09	
	211.08	1.12	1.32	School	0.00	0.42	0.78	0.95	1.12	1.28	1.45	1.81	2.23	
20	207.02	2.25	6.19	Student	-2.96	-1.00	0.68	1.47	2.25	3.03	3.82	5.50	7.46	
	214.21	1.10	1.32	School	-0.02	0.40	0.76	0.93	1.10	1.26	1.43	1.79	2.21	
25	209.64	2.01	6.19	Student	-3.20	-1.23	0.44	1.24	2.01	2.79	3.58	5.26	7.23	
	215.41	1.09	1.32	School	-0.03	0.39	0.75	0.92	1.09	1.25	1.42	1.78	2.20	
30	211.99	1.80	6.19	Student	-3.41	-1.45	0.23	1.02	1.80	2.58	3.37	5.05	7.01	
	216.48	1.08	1.32	School	-0.03	0.39	0.74	0.91	1.08	1.25	1.42	1.77	2.19	
35	214.17	1.60	6.19	Student	-3.61	-1.65	0.03	0.82	1.60	2.38	3.17	4.85	6.81	
	217.47	1.07	1.32	School	-0.04	0.38	0.74	0.91	1.07	1.24	1.41	1.77	2.19	
40	216.24	1.41	6.19	Student	-3.80	-1.83	-0.15	0.64	1.41	2.19	2.98	4.66	6.63	
	218.41	1.07	1.32	School	-0.05	0.37	0.73	0.90	1.07	1.23	1.40	1.76	2.18	
45	218.24	1.23	6.19	Student	-3.98	-2.02	-0.34	0.45	1.23	2.01	2.80	4.48	6.44	
	219.32	1.06	1.32	School	-0.06	0.37	0.72	0.89	1.06	1.23	1.40	1.75	2.17	
48	219.43	1.12	6.19	Student	-4.09	-2.12	-0.44	0.35	1.12	1.90	2.69	4.37	6.34	
	219.86	1.06	1.32	School	-0.06	0.36	0.72	0.89	1.06	1.22	1.39	1.75	2.17	
50	220.22	1.05	6.19	Student	-4.16	-2.19	-0.52	0.28	1.05	1.83	2.62	4.30	6.27	
	220.22	1.05	1.32	School	-0.06	0.36	0.72	0.89	1.05	1.22	1.39	1.75	2.17	
52	221.00	0.98	6.19	Student	-4.23	-2.27	-0.59	0.20	0.98	1.76	2.55	4.23	6.19	
	220.57	1.05	1.32	School	-0.06	0.36	0.72	0.88	1.05	1.22	1.39	1.75	2.17	
55	222.19	0.87	6.19	Student	-4.34	-2.37	-0.69	0.10	0.87	1.65	2.44	4.12	6.09	
	221.11	1.05	1.32	School	-0.07	0.35	0.71	0.88	1.05	1.21	1.38	1.74	2.16	
60	224.19	0.69	6.19	Student	-4.52	-2.55	-0.88	-0.09	0.69	1.47	2.26	3.94	5.90	
	222.02	1.04	1.32	School	-0.07	0.35	0.71	0.87	1.04	1.21	1.38	1.74	2.16	
65	226.26	0.51	6.19	Student	-4.71	-2.74	-1.06	-0.27	0.51	1.28	2.07	3.75	5.72	
	222.96	1.03	1.32	School	-0.08	0.34	0.70	0.87	1.03	1.20	1.37	1.73	2.15	
70	228.44	0.31	6.19	Student	-4.90	-2.94	-1.26	-0.47	0.31	1.09	1.88	3.55	5.52	
	223.96	1.03	1.32	School	-0.09	0.33	0.69	0.86	1.03	1.19	1.36	1.72	2.14	
75	230.79	0.09	6.19	Student	-5.12	-3.15	-1.48	-0.68	0.09	0.87	1.66	3.34	5.31	
	225.03	1.02	1.32	School	-0.10	0.32	0.68	0.85	1.02	1.19	1.36	1.71	2.13	
80	233.41	-0.14	6.19	Student	-5.36	-3.39	-1.71	-0.92	-0.14	0.63	1.42	3.10	5.07	
	226.22	1.01	1.32	School	-0.10	0.32	0.68	0.84	1.01	1.18	1.35	1.71	2.13	
85	236.47	-0.42	6.19	Student	-5.63	-3.67	-1.99	-1.20	-0.42	0.36	1.15	2.83	4.79	
	227.61	1.00	1.32	School	-0.11	0.31	0.67	0.83	1.00	1.17	1.34	1.70	2.12	
90	240.31	-0.77	6.19	Student	-5.98	-4.02	-2.34	-1.55	-0.77	0.01	0.80	2.48	4.44	
	229.36	0.99	1.32	School	-0.13	0.29	0.65	0.82	0.99	1.16	1.32	1.68	2.10	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.58: Reading Grade 9 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	201.35 212.04	1.06 0.42 5.67 0.98	Student School	-3.71 -0.41	-1.92 -0.10	-0.38 0.17	0.34 0.29	1.06 0.42	1.77 0.54	2.49 0.66	4.03 0.93	5.83 1.24	
20	208.19 215.21	0.90 0.48 5.67 0.98	Student School	-3.87 -0.35	-2.07 -0.04	-0.54 0.23	0.19 0.36	0.90 0.48	1.61 0.60	2.34 0.73	3.87 1.00	5.67 1.31	
25	210.78 216.41	0.84 0.50 5.67 0.98	Student School	-3.93 -0.32	-2.13 -0.01	-0.59 0.25	0.13 0.38	0.84 0.50	1.55 0.63	2.28 0.75	3.81 1.02	5.61 1.33	
30	213.12 217.49	0.79 0.53 5.67 0.98	Student School	-3.98 -0.30	-2.18 0.01	-0.65 0.28	0.08 0.40	0.79 0.53	1.50 0.65	2.22 0.78	3.76 1.04	5.56 1.35	
35	215.28 218.49	0.74 0.55 5.67 0.98	Student School	-4.03 -0.28	-2.23 0.03	-0.70 0.30	0.03 0.42	0.74 0.55	1.45 0.67	2.17 0.80	3.71 1.06	5.51 1.37	
40	217.33 219.44	0.69 0.57 5.67 0.98	Student School	-4.08 -0.26	-2.28 0.05	-0.74 0.32	-0.02 0.44	0.69 0.57	1.40 0.69	2.13 0.81	3.66 1.08	5.46 1.39	
45	219.32 220.36	0.65 0.58 5.67 0.98	Student School	-4.12 -0.24	-2.33 0.07	-0.79 0.33	-0.07 0.46	0.65 0.58	1.36 0.71	2.08 0.83	3.62 1.10	5.42 1.41	
48	220.49 220.91	0.62 0.59 5.67 0.98	Student School	-4.15 -0.23	-2.35 0.08	-0.82 0.35	-0.09 0.47	0.62 0.59	1.33 0.72	2.06 0.84	3.59 1.11	5.39 1.42	
50	221.27 221.27	0.60 0.60 5.67 0.98	Student School	-4.17 -0.23	-2.37 0.09	-0.83 0.35	-0.11 0.48	0.60 0.60	1.31 0.73	2.04 0.85	3.57 1.12	5.37 1.43	
52	222.05 221.63	0.58 0.61 5.67 0.98	Student School	-4.19 -0.22	-2.39 0.09	-0.85 0.36	-0.13 0.49	0.58 0.61	1.30 0.73	2.02 0.86	3.56 1.13	5.35 1.44	
55	223.22 222.17	0.56 0.62 5.67 0.98	Student School	-4.21 -0.21	-2.41 0.10	-0.88 0.37	-0.15 0.50	0.56 0.62	1.27 0.74	1.99 0.87	3.53 1.14	5.33 1.45	
60	225.21 223.09	0.51 0.64 5.67 0.98	Student School	-4.26 -0.19	-2.46 0.12	-0.92 0.39	-0.20 0.51	0.51 0.64	1.22 0.76	1.95 0.89	3.48 1.15	5.28 1.47	
65	227.26 224.04	0.47 0.66 5.67 0.98	Student School	-4.30 -0.17	-2.51 0.14	-0.97 0.41	-0.25 0.53	0.47 0.66	1.18 0.78	1.90 0.91	3.44 1.17	5.23 1.49	
70	229.42 225.05	0.42 0.68 5.67 0.98	Student School	-4.35 -0.15	-2.56 0.16	-1.02 0.43	-0.30 0.55	0.42 0.68	1.13 0.80	1.85 0.93	3.39 1.19	5.19 1.51	
75	231.75 226.13	0.36 0.70 5.67 0.98	Student School	-4.41 -0.13	-2.61 0.18	-1.07 0.45	-0.35 0.58	0.36 0.70	1.07 0.82	1.80 0.95	3.33 1.22	5.13 1.53	
80	234.35 227.33	0.30 0.72 5.67 0.98	Student School	-4.47 -0.10	-2.67 0.21	-1.13 0.47	-0.41 0.60	0.30 0.72	1.02 0.85	1.74 0.97	3.28 1.24	5.07 1.55	
85	237.38 228.74	0.23 0.75 5.67 0.98	Student School	-4.54 -0.08	-2.74 0.24	-1.20 0.50	-0.48 0.63	0.23 0.75	0.95 0.88	1.67 1.00	3.21 1.27	5.00 1.58	
90	241.19 230.50	0.15 0.79 5.67 0.98	Student School	-4.62 -0.04	-2.82 0.27	-1.29 0.54	-0.56 0.66	0.15 0.79	0.86 0.91	1.58 1.04	3.12 1.30	4.92 1.62	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.59: Reading Grade 10 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	197.49	4.22	7.21	Student	-1.85	0.44	2.39	3.31	4.22	5.12	6.04	7.99	10.28
	208.18	2.69	2.03	School	0.98	1.63	2.18	2.44	2.69	2.95	3.21	3.76	4.40
20	204.90	3.44	7.21	Student	-2.62	-0.34	1.61	2.53	3.44	4.35	5.27	7.22	9.50
	211.91	2.44	2.03	School	0.73	1.37	1.92	2.18	2.44	2.69	2.95	3.50	4.15
25	207.71	3.14	7.21	Student	-2.92	-0.63	1.32	2.24	3.14	4.05	4.97	6.92	9.21
	213.33	2.34	2.03	School	0.63	1.28	1.83	2.09	2.34	2.60	2.86	3.41	4.05
30	210.23	2.88	7.21	Student	-3.18	-0.90	1.05	1.97	2.88	3.79	4.71	6.66	8.94
	214.61	2.26	2.03	School	0.55	1.19	1.74	2.00	2.26	2.51	2.77	3.32	3.97
35	212.58	2.63	7.21	Student	-3.43	-1.14	0.81	1.73	2.63	3.54	4.46	6.41	8.70
	215.79	2.18	2.03	School	0.47	1.11	1.66	1.92	2.18	2.43	2.69	3.24	3.89
40	214.80	2.40	7.21	Student	-3.66	-1.38	0.58	1.50	2.40	3.31	4.23	6.18	8.47
	216.91	2.10	2.03	School	0.39	1.03	1.59	1.84	2.10	2.36	2.61	3.17	3.81
45	216.95	2.18	7.21	Student	-3.89	-1.60	0.35	1.27	2.18	3.08	4.00	5.95	8.24
	217.99	2.03	2.03	School	0.32	0.96	1.51	1.77	2.03	2.28	2.54	3.09	3.74
48	218.22	2.04	7.21	Student	-4.02	-1.74	0.22	1.14	2.04	2.95	3.87	5.82	8.11
	218.63	1.98	2.03	School	0.27	0.92	1.47	1.73	1.98	2.24	2.50	3.05	3.69
50	219.06	1.95	7.21	Student	-4.11	-1.82	0.13	1.05	1.95	2.86	3.78	5.73	8.02
	219.06	1.95	2.03	School	0.24	0.89	1.44	1.70	1.95	2.21	2.47	3.02	3.66
52	219.90	1.87	7.21	Student	-4.20	-1.91	0.04	0.96	1.87	2.77	3.69	5.64	7.93
	219.49	1.93	2.03	School	0.22	0.86	1.41	1.67	1.93	2.18	2.44	2.99	3.64
55	221.17	1.73	7.21	Student	-4.33	-2.05	-0.09	0.83	1.73	2.64	3.56	5.51	7.80
	220.13	1.88	2.03	School	0.17	0.82	1.37	1.63	1.88	2.14	2.40	2.95	3.59
60	223.32	1.51	7.21	Student	-4.56	-2.27	-0.32	0.60	1.51	2.41	3.33	5.29	7.57
	221.21	1.81	2.03	School	0.10	0.74	1.29	1.55	1.81	2.06	2.32	2.87	3.52
65	225.54	1.27	7.21	Student	-4.79	-2.50	-0.55	0.37	1.27	2.18	3.10	5.05	7.34
	222.33	1.73	2.03	School	0.02	0.67	1.22	1.48	1.73	1.99	2.25	2.80	3.44
70	227.89	1.03	7.21	Student	-5.04	-2.75	-0.80	0.12	1.03	1.93	2.85	4.81	7.09
	223.51	1.65	2.03	School	-0.06	0.59	1.14	1.40	1.65	1.91	2.17	2.72	3.36
75	230.41	0.76	7.21	Student	-5.30	-3.01	-1.06	-0.14	0.76	1.67	2.59	4.54	6.83
	224.79	1.57	2.03	School	-0.14	0.50	1.05	1.31	1.57	1.82	2.08	2.63	3.28
80	233.22	0.47	7.21	Student	-5.59	-3.31	-1.36	-0.44	0.47	1.37	2.29	4.25	6.53
	226.21	1.47	2.03	School	-0.24	0.41	0.96	1.22	1.47	1.73	1.99	2.54	3.18
85	236.50	0.13	7.21	Student	-5.94	-3.65	-1.70	-0.78	0.13	1.03	1.95	3.90	6.19
	227.86	1.36	2.03	School	-0.35	0.29	0.84	1.10	1.36	1.61	1.87	2.42	3.07
90	240.63	-0.31	7.21	Student	-6.37	-4.09	-2.13	-1.21	-0.31	0.60	1.52	3.47	5.76
	229.94	1.22	2.03	School	-0.49	0.15	0.70	0.96	1.22	1.47	1.73	2.28	2.93

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.60: Reading Grade 10 From Last Spring To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	196.61	5.47	9.13	Student	-2.21	0.68	3.16	4.32	5.47	6.62	7.78	10.26	13.16	
	208.14	2.93	2.79	School	0.59	1.47	2.22	2.58	2.93	3.28	3.64	4.39	5.27	
20	204.45	4.18	9.13	Student	-3.50	-0.61	1.87	3.04	4.18	5.33	6.50	8.97	11.87	
	212.03	2.51	2.79	School	0.17	1.05	1.81	2.16	2.51	2.86	3.22	3.97	4.86	
25	207.43	3.69	9.13	Student	-3.99	-1.10	1.38	2.55	3.69	4.84	6.01	8.48	11.38	
	213.51	2.35	2.79	School	0.01	0.89	1.65	2.00	2.35	2.70	3.06	3.82	4.70	
30	210.11	3.25	9.13	Student	-4.43	-1.54	0.94	2.11	3.25	4.40	5.57	8.04	10.94	
	214.83	2.21	2.79	School	-0.13	0.75	1.51	1.86	2.21	2.56	2.92	3.67	4.56	
35	212.59	2.85	9.13	Student	-4.84	-1.94	0.53	1.70	2.85	3.99	5.16	7.63	10.53	
	216.06	2.08	2.79	School	-0.26	0.62	1.38	1.73	2.08	2.43	2.79	3.54	4.43	
40	214.95	2.46	9.13	Student	-5.23	-2.33	0.15	1.31	2.46	3.61	4.77	7.25	10.14	
	217.23	1.96	2.79	School	-0.39	0.49	1.25	1.61	1.96	2.31	2.66	3.42	4.30	
45	217.22	2.08	9.13	Student	-5.60	-2.70	-0.23	0.94	2.08	3.23	4.40	6.87	9.77	
	218.36	1.84	2.79	School	-0.51	0.37	1.13	1.48	1.84	2.19	2.54	3.30	4.18	
48	218.57	1.86	9.13	Student	-5.82	-2.92	-0.45	0.72	1.86	3.01	4.18	6.65	9.55	
	219.02	1.76	2.79	School	-0.58	0.30	1.06	1.41	1.76	2.11	2.47	3.22	4.11	
50	219.47	1.72	9.13	Student	-5.97	-3.07	-0.60	0.57	1.72	2.86	4.03	6.50	9.40	
	219.47	1.72	2.79	School	-0.63	0.26	1.01	1.37	1.72	2.07	2.42	3.18	4.06	
52	220.36	1.57	9.13	Student	-6.12	-3.22	-0.74	0.42	1.57	2.72	3.88	6.36	9.25	
	219.91	1.67	2.79	School	-0.68	0.21	0.96	1.32	1.67	2.02	2.37	3.13	4.01	
55	221.71	1.35	9.13	Student	-6.34	-3.44	-0.97	0.20	1.35	2.50	3.66	6.14	9.03	
	220.58	1.60	2.79	School	-0.75	0.14	0.89	1.25	1.60	1.95	2.30	3.06	3.94	
60	223.99	0.97	9.13	Student	-6.71	-3.81	-1.34	-0.17	0.97	2.12	3.29	5.76	8.66	
	221.71	1.48	2.79	School	-0.87	0.02	0.77	1.13	1.48	1.83	2.18	2.94	3.82	
65	226.34	0.59	9.13	Student	-7.10	-4.20	-1.73	-0.56	0.59	1.73	2.90	5.37	8.27	
	222.87	1.35	2.79	School	-0.99	-0.11	0.65	1.00	1.35	1.70	2.06	2.81	3.70	
70	228.82	0.18	9.13	Student	-7.50	-4.61	-2.13	-0.97	0.18	1.33	2.49	4.97	7.86	
	224.10	1.22	2.79	School	-1.13	-0.24	0.51	0.87	1.22	1.57	1.93	2.68	3.56	
75	231.50	-0.26	9.13	Student	-7.94	-5.05	-2.57	-1.41	-0.26	0.89	2.05	4.53	7.42	
	225.43	1.08	2.79	School	-1.27	-0.38	0.37	0.73	1.08	1.43	1.78	2.54	3.42	
80	234.48	-0.75	9.13	Student	-8.43	-5.54	-3.06	-1.90	-0.75	0.40	1.56	4.04	6.93	
	226.90	0.92	2.79	School	-1.43	-0.54	0.21	0.57	0.92	1.27	1.62	2.38	3.26	
85	237.95	-1.32	9.13	Student	-9.01	-6.11	-3.63	-2.47	-1.32	-0.17	0.99	3.47	6.36	
	228.63	0.73	2.79	School	-1.61	-0.73	0.03	0.38	0.73	1.08	1.44	2.20	3.08	
90	242.33	-2.04	9.13	Student	-9.72	-6.83	-4.35	-3.19	-2.04	-0.89	0.27	2.75	5.64	
	230.79	0.50	2.79	School	-1.84	-0.96	-0.20	0.15	0.50	0.85	1.21	1.96	2.85	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.61: Reading Grade 10 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	198.84	0.31	8.34	Student	-6.70	-4.06	-1.80	-0.73	0.31	1.36	2.43	4.69	7.33
	209.95	0.72	2.27	School	-1.19	-0.47	0.14	0.43	0.72	1.00	1.29	1.91	2.63
20	206.26	0.51	8.34	Student	-6.51	-3.87	-1.61	-0.54	0.51	1.55	2.62	4.88	7.52
	213.56	0.77	2.27	School	-1.14	-0.42	0.20	0.49	0.77	1.06	1.35	1.96	2.68
25	209.08	0.58	8.34	Student	-6.44	-3.79	-1.53	-0.47	0.58	1.63	2.69	4.95	7.59
	214.92	0.79	2.27	School	-1.12	-0.40	0.22	0.51	0.79	1.08	1.37	1.98	2.70
30	211.61	0.64	8.34	Student	-6.37	-3.73	-1.47	-0.40	0.64	1.69	2.76	5.01	7.66
	216.15	0.81	2.27	School	-1.10	-0.38	0.23	0.52	0.81	1.09	1.38	2.00	2.72
35	213.95	0.70	8.34	Student	-6.31	-3.67	-1.41	-0.34	0.70	1.75	2.82	5.08	7.72
	217.29	0.83	2.27	School	-1.08	-0.36	0.25	0.54	0.83	1.11	1.40	2.02	2.73
40	216.17	0.76	8.34	Student	-6.26	-3.61	-1.35	-0.29	0.76	1.81	2.87	5.13	7.78
	218.37	0.84	2.27	School	-1.07	-0.35	0.27	0.56	0.84	1.13	1.42	2.03	2.75
45	218.33	0.82	8.34	Student	-6.20	-3.56	-1.30	-0.23	0.82	1.86	2.93	5.19	7.83
	219.42	0.86	2.27	School	-1.05	-0.33	0.28	0.57	0.86	1.14	1.43	2.05	2.77
48	219.60	0.85	8.34	Student	-6.17	-3.52	-1.26	-0.20	0.85	1.90	2.96	5.22	7.87
	220.03	0.86	2.27	School	-1.04	-0.32	0.29	0.58	0.86	1.15	1.44	2.05	2.77
50	220.44	0.87	8.34	Student	-6.15	-3.50	-1.24	-0.18	0.87	1.92	2.98	5.24	7.89
	220.44	0.87	2.27	School	-1.04	-0.32	0.30	0.59	0.87	1.16	1.45	2.06	2.78
52	221.29	0.89	8.34	Student	-6.12	-3.48	-1.22	-0.15	0.89	1.94	3.00	5.26	7.91
	220.85	0.88	2.27	School	-1.03	-0.31	0.30	0.59	0.88	1.16	1.45	2.07	2.79
55	222.56	0.93	8.34	Student	-6.09	-3.45	-1.19	-0.12	0.93	1.97	3.04	5.30	7.94
	221.47	0.89	2.27	School	-1.02	-0.30	0.31	0.60	0.89	1.17	1.46	2.08	2.80
60	224.71	0.98	8.34	Student	-6.04	-3.39	-1.13	-0.07	0.98	2.03	3.09	5.35	8.00
	222.52	0.90	2.27	School	-1.01	-0.29	0.33	0.62	0.90	1.19	1.48	2.09	2.81
65	226.94	1.04	8.34	Student	-5.98	-3.33	-1.07	-0.01	1.04	2.09	3.15	5.41	8.05
	223.60	0.92	2.27	School	-0.99	-0.27	0.34	0.63	0.92	1.20	1.49	2.11	2.83
70	229.28	1.10	8.34	Student	-5.92	-3.27	-1.01	0.05	1.10	2.15	3.21	5.47	8.11
	224.74	0.93	2.27	School	-0.98	-0.26	0.36	0.65	0.93	1.22	1.51	2.12	2.84
75	231.81	1.16	8.34	Student	-5.85	-3.21	-0.95	0.12	1.16	2.21	3.28	5.54	8.18
	225.96	0.95	2.27	School	-0.96	-0.24	0.38	0.67	0.95	1.24	1.53	2.14	2.86
80	234.63	1.24	8.34	Student	-5.78	-3.14	-0.88	0.19	1.24	2.28	3.35	5.61	8.25
	227.33	0.97	2.27	School	-0.94	-0.22	0.40	0.69	0.97	1.26	1.55	2.16	2.88
85	237.91	1.32	8.34	Student	-5.70	-3.05	-0.79	0.27	1.32	2.37	3.43	5.69	8.34
	228.93	0.99	2.27	School	-0.92	-0.20	0.42	0.71	0.99	1.28	1.57	2.18	2.90
90	242.04	1.43	8.34	Student	-5.59	-2.94	-0.68	0.38	1.43	2.48	3.54	5.80	8.44
	230.93	1.02	2.27	School	-0.89	-0.17	0.45	0.74	1.02	1.31	1.60	2.21	2.93

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.62: Reading Grade 10 From Fall To Spring Conditional Growth Percentile

Start %ile	Status	RIT	Growth		CGP	Conditional Growth										
			Mean	SD		CGI	20	30	40	45	50	55	60	70	80	
10	198.84	3.47	9.42	Student	-4.46	-1.47	1.08	2.28	3.47	4.65	5.85	8.41	11.39			
	209.95	1.11	2.77	School	-1.22	-0.34	0.41	0.76	1.11	1.46	1.81	2.56	3.44			
20	206.26	2.53	9.42	Student	-5.40	-2.41	0.14	1.35	2.53	3.71	4.92	7.47	10.46			
	213.56	0.98	2.77	School	-1.35	-0.47	0.28	0.63	0.98	1.33	1.68	2.43	3.31			
25	209.08	2.17	9.42	Student	-5.75	-2.77	-0.21	0.99	2.17	3.36	4.56	7.11	10.10			
	214.92	0.93	2.77	School	-1.40	-0.52	0.23	0.59	0.93	1.28	1.63	2.38	3.26			
30	211.61	1.85	9.42	Student	-6.07	-3.09	-0.53	0.67	1.85	3.04	4.24	6.79	9.78			
	216.15	0.89	2.77	School	-1.44	-0.56	0.19	0.54	0.89	1.24	1.59	2.34	3.22			
35	213.95	1.56	9.42	Student	-6.37	-3.38	-0.83	0.37	1.56	2.74	3.94	6.50	9.49			
	217.29	0.85	2.77	School	-1.48	-0.60	0.15	0.50	0.85	1.20	1.55	2.30	3.18			
40	216.17	1.28	9.42	Student	-6.65	-3.66	-1.11	0.09	1.28	2.46	3.66	6.22	9.21			
	218.37	0.81	2.77	School	-1.52	-0.64	0.11	0.46	0.81	1.16	1.51	2.26	3.14			
45	218.33	1.01	9.42	Student	-6.92	-3.93	-1.38	-0.18	1.01	2.19	3.39	5.95	8.93			
	219.42	0.77	2.77	School	-1.56	-0.68	0.07	0.43	0.77	1.12	1.48	2.23	3.10			
48	219.60	0.85	9.42	Student	-7.08	-4.09	-1.54	-0.34	0.85	2.03	3.23	5.79	8.77			
	220.03	0.75	2.77	School	-1.58	-0.70	0.05	0.41	0.75	1.10	1.45	2.20	3.08			
50	220.44	0.74	9.42	Student	-7.19	-4.20	-1.65	-0.45	0.74	1.92	3.12	5.68	8.67			
	220.44	0.74	2.77	School	-1.59	-0.71	0.04	0.39	0.74	1.09	1.44	2.19	3.07			
52	221.29	0.63	9.42	Student	-7.30	-4.31	-1.75	-0.55	0.63	1.82	3.02	5.57	8.56			
	220.85	0.72	2.77	School	-1.61	-0.73	0.02	0.38	0.72	1.07	1.43	2.18	3.05			
55	222.56	0.47	9.42	Student	-7.46	-4.47	-1.92	-0.71	0.47	1.65	2.86	5.41	8.40			
	221.47	0.70	2.77	School	-1.63	-0.75	0.00	0.35	0.70	1.05	1.40	2.15	3.03			
60	224.71	0.20	9.42	Student	-7.73	-4.74	-2.19	-0.98	0.20	1.38	2.59	5.14	8.13			
	222.52	0.67	2.77	School	-1.66	-0.79	-0.04	0.32	0.67	1.01	1.37	2.12	3.00			
65	226.94	-0.08	9.42	Student	-8.01	-5.02	-2.47	-1.27	-0.08	1.10	2.31	4.86	7.85			
	223.60	0.63	2.77	School	-1.70	-0.82	-0.07	0.28	0.63	0.98	1.33	2.08	2.96			
70	229.28	-0.38	9.42	Student	-8.31	-5.32	-2.76	-1.56	-0.38	0.81	2.01	4.56	7.55			
	224.74	0.59	2.77	School	-1.74	-0.86	-0.11	0.24	0.59	0.93	1.29	2.04	2.92			
75	231.81	-0.70	9.42	Student	-8.63	-5.64	-3.08	-1.88	-0.70	0.49	1.69	4.24	7.23			
	225.96	0.54	2.77	School	-1.79	-0.91	-0.16	0.20	0.54	0.89	1.24	2.00	2.87			
80	234.63	-1.05	9.42	Student	-8.98	-5.99	-3.44	-2.24	-1.05	0.13	1.33	3.89	6.88			
	227.33	0.50	2.77	School	-1.83	-0.96	-0.21	0.15	0.50	0.84	1.20	1.95	2.83			
85	237.91	-1.47	9.42	Student	-9.40	-6.41	-3.85	-2.65	-1.47	-0.28	0.92	3.47	6.46			
	228.93	0.44	2.77	School	-1.89	-1.01	-0.26	0.09	0.44	0.79	1.14	1.89	2.77			
90	242.04	-1.99	9.42	Student	-9.92	-6.93	-4.38	-3.17	-1.99	-0.80	0.40	2.95	5.94			
	230.93	0.37	2.77	School	-1.96	-1.08	-0.33	0.02	0.37	0.72	1.07	1.82	2.70			

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.63: Reading Grade 10 From Fall To Winter Conditional Growth Percentile

Start Status	Growth			CGP	Conditional Growth										
	%ile	RIT	Mean		SD	CGI	20	30	40	45	50	55	60	70	80
10	198.84	2.48	6.55	Student	-3.03	-0.95	0.82	1.66	2.48	3.31	4.14	5.92	8.00		
	209.95	0.78	1.58	School	-0.55	-0.05	0.38	0.58	0.78	0.98	1.18	1.61	2.11		
20	206.26	1.83	6.55	Student	-3.69	-1.61	0.17	1.00	1.83	2.65	3.49	5.26	7.34		
	213.56	0.71	1.58	School	-0.62	-0.12	0.31	0.51	0.71	0.91	1.11	1.54	2.04		
25	209.08	1.58	6.55	Student	-3.93	-1.86	-0.08	0.75	1.58	2.40	3.24	5.01	7.09		
	214.92	0.68	1.58	School	-0.65	-0.15	0.28	0.48	0.68	0.88	1.08	1.51	2.01		
30	211.61	1.35	6.55	Student	-4.16	-2.08	-0.31	0.53	1.35	2.18	3.01	4.79	6.87		
	216.15	0.66	1.58	School	-0.67	-0.17	0.26	0.46	0.66	0.86	1.06	1.49	1.99		
35	213.95	1.15	6.55	Student	-4.37	-2.29	-0.51	0.32	1.15	1.97	2.81	4.58	6.66		
	217.29	0.63	1.58	School	-0.70	-0.20	0.23	0.44	0.63	0.83	1.03	1.46	1.97		
40	216.17	0.95	6.55	Student	-4.56	-2.49	-0.71	0.13	0.95	1.77	2.61	4.38	6.46		
	218.37	0.61	1.58	School	-0.72	-0.22	0.21	0.41	0.61	0.81	1.01	1.44	1.94		
45	218.33	0.76	6.55	Student	-4.75	-2.68	-0.90	-0.06	0.76	1.58	2.42	4.19	6.27		
	219.42	0.59	1.58	School	-0.74	-0.24	0.19	0.39	0.59	0.79	0.99	1.42	1.92		
48	219.60	0.65	6.55	Student	-4.87	-2.79	-1.01	-0.18	0.65	1.47	2.30	4.08	6.16		
	220.03	0.58	1.58	School	-0.75	-0.25	0.18	0.38	0.58	0.78	0.98	1.41	1.91		
50	220.44	0.57	6.55	Student	-4.94	-2.86	-1.09	-0.25	0.57	1.39	2.23	4.01	6.08		
	220.44	0.57	1.58	School	-0.76	-0.26	0.17	0.37	0.57	0.77	0.97	1.40	1.90		
52	221.29	0.50	6.55	Student	-5.02	-2.94	-1.16	-0.33	0.50	1.32	2.15	3.93	6.01		
	220.85	0.56	1.58	School	-0.77	-0.27	0.16	0.36	0.56	0.76	0.96	1.39	1.89		
55	222.56	0.38	6.55	Student	-5.13	-3.05	-1.28	-0.44	0.38	1.21	2.04	3.82	5.90		
	221.47	0.55	1.58	School	-0.78	-0.28	0.15	0.35	0.55	0.75	0.95	1.38	1.88		
60	224.71	0.19	6.55	Student	-5.32	-3.24	-1.47	-0.63	0.19	1.02	1.85	3.63	5.70		
	222.52	0.53	1.58	School	-0.80	-0.30	0.13	0.33	0.53	0.73	0.93	1.36	1.86		
65	226.94	-0.00	6.55	Student	-5.52	-3.44	-1.66	-0.83	-0.00	0.82	1.65	3.43	5.51		
	223.60	0.51	1.58	School	-0.83	-0.32	0.11	0.31	0.51	0.71	0.91	1.34	1.84		
70	229.28	-0.21	6.55	Student	-5.72	-3.65	-1.87	-1.04	-0.21	0.61	1.45	3.22	5.30		
	224.74	0.48	1.58	School	-0.85	-0.35	0.08	0.28	0.48	0.68	0.88	1.31	1.82		
75	231.81	-0.44	6.55	Student	-5.95	-3.87	-2.10	-1.26	-0.44	0.39	1.22	3.00	5.08		
	225.96	0.46	1.58	School	-0.87	-0.37	0.06	0.26	0.46	0.66	0.86	1.29	1.79		
80	234.63	-0.69	6.55	Student	-6.20	-4.12	-2.35	-1.51	-0.69	0.14	0.97	2.75	4.83		
	227.33	0.43	1.58	School	-0.90	-0.40	0.03	0.23	0.43	0.63	0.83	1.26	1.76		
85	237.91	-0.98	6.55	Student	-6.49	-4.41	-2.64	-1.80	-0.98	-0.15	0.68	2.46	4.54		
	228.93	0.40	1.58	School	-0.93	-0.43	-0.00	0.20	0.40	0.60	0.80	1.23	1.73		
90	242.04	-1.34	6.55	Student	-6.86	-4.78	-3.00	-2.17	-1.34	-0.52	0.32	2.09	4.17		
	230.93	0.36	1.58	School	-0.97	-0.47	-0.04	0.16	0.36	0.56	0.76	1.19	1.69		

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.2.64: Reading Grade 10 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean	SD	CGP	20	30	40	45	50	55	60	70	80
				CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	199.61	0.48	5.90	Student	-4.49	-2.61	-1.01	-0.26	0.48	1.22	1.98	3.58	5.45
	210.54	0.03	1.19	School	-0.97	-0.59	-0.27	-0.12	0.03	0.18	0.33	0.65	1.03
20	206.96	0.37	5.90	Student	-4.59	-2.72	-1.12	-0.37	0.37	1.12	1.87	3.47	5.34
	214.13	0.08	1.19	School	-0.92	-0.55	-0.22	-0.07	0.08	0.23	0.38	0.70	1.08
25	209.75	0.33	5.90	Student	-4.64	-2.76	-1.16	-0.41	0.33	1.08	1.83	3.43	5.30
	215.50	0.10	1.19	School	-0.91	-0.53	-0.21	-0.05	0.10	0.24	0.40	0.72	1.10
30	212.26	0.30	5.90	Student	-4.67	-2.80	-1.20	-0.45	0.30	1.04	1.79	3.39	5.27
	216.73	0.11	1.19	School	-0.89	-0.51	-0.19	-0.04	0.11	0.26	0.41	0.74	1.11
35	214.58	0.26	5.90	Student	-4.71	-2.83	-1.23	-0.48	0.26	1.00	1.76	3.36	5.23
	217.86	0.13	1.19	School	-0.88	-0.50	-0.18	-0.02	0.13	0.28	0.43	0.75	1.13
40	216.78	0.23	5.90	Student	-4.74	-2.87	-1.27	-0.51	0.23	0.97	1.73	3.33	5.20
	218.94	0.14	1.19	School	-0.86	-0.48	-0.16	-0.01	0.14	0.29	0.44	0.76	1.14
45	218.92	0.20	5.90	Student	-4.77	-2.90	-1.30	-0.54	0.20	0.94	1.69	3.29	5.17
	219.99	0.15	1.19	School	-0.85	-0.47	-0.15	0.00	0.15	0.30	0.46	0.78	1.16
48	220.18	0.18	5.90	Student	-4.79	-2.92	-1.32	-0.56	0.18	0.92	1.68	3.28	5.15
	220.60	0.16	1.19	School	-0.84	-0.46	-0.14	0.01	0.16	0.31	0.46	0.79	1.16
50	221.01	0.17	5.90	Student	-4.80	-2.93	-1.33	-0.57	0.17	0.91	1.66	3.26	5.14
	221.01	0.17	1.19	School	-0.83	-0.46	-0.13	0.02	0.17	0.32	0.47	0.79	1.17
52	221.85	0.16	5.90	Student	-4.81	-2.94	-1.34	-0.59	0.16	0.90	1.65	3.25	5.12
	221.42	0.17	1.19	School	-0.83	-0.45	-0.13	0.02	0.17	0.32	0.47	0.80	1.18
55	223.11	0.14	5.90	Student	-4.83	-2.96	-1.36	-0.60	0.14	0.88	1.63	3.23	5.11
	222.04	0.18	1.19	School	-0.82	-0.44	-0.12	0.03	0.18	0.33	0.48	0.81	1.18
60	225.25	0.11	5.90	Student	-4.86	-2.99	-1.39	-0.64	0.11	0.85	1.60	3.20	5.07
	223.09	0.20	1.19	School	-0.81	-0.43	-0.11	0.05	0.20	0.34	0.50	0.82	1.20
65	227.45	0.07	5.90	Student	-4.90	-3.02	-1.42	-0.67	0.07	0.82	1.57	3.17	5.04
	224.16	0.21	1.19	School	-0.79	-0.41	-0.09	0.06	0.21	0.36	0.51	0.83	1.21
70	229.77	0.04	5.90	Student	-4.93	-3.06	-1.46	-0.70	0.04	0.78	1.54	3.14	5.01
	225.30	0.22	1.19	School	-0.78	-0.40	-0.08	0.07	0.22	0.37	0.53	0.85	1.23
75	232.28	0.00	5.90	Student	-4.97	-3.09	-1.49	-0.74	0.00	0.74	1.50	3.10	4.97
	226.53	0.24	1.19	School	-0.76	-0.38	-0.06	0.09	0.24	0.39	0.54	0.86	1.24
80	235.07	-0.04	5.90	Student	-5.01	-3.13	-1.53	-0.78	-0.04	0.70	1.46	3.06	4.93
	227.89	0.26	1.19	School	-0.74	-0.37	-0.04	0.11	0.26	0.41	0.56	0.88	1.26
85	238.32	-0.09	5.90	Student	-5.05	-3.18	-1.58	-0.83	-0.09	0.66	1.41	3.01	4.88
	229.49	0.28	1.19	School	-0.72	-0.34	-0.02	0.13	0.28	0.43	0.58	0.90	1.28
90	242.42	-0.15	5.90	Student	-5.11	-3.24	-1.64	-0.89	-0.15	0.60	1.35	2.95	4.82
	231.49	0.31	1.19	School	-0.70	-0.32	0.00	0.16	0.31	0.46	0.61	0.93	1.31

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Appendix E.3 - Language Usage

Table E.3.1: Language Usage Grade 2 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	146.42	20.60	6.31	Student	15.29	17.29	19.00	19.81	20.60	21.39	22.20	23.91	25.91
	160.04	16.95	2.34	School	14.98	15.72	16.36	16.66	16.95	17.24	17.54	18.18	18.92
20	154.37	18.81	6.31	Student	13.50	15.50	17.21	18.02	18.81	19.60	20.41	22.12	24.12
	163.31	16.41	2.34	School	14.44	15.19	15.82	16.12	16.41	16.71	17.00	17.64	18.38
25	157.38	18.13	6.31	Student	12.82	14.82	16.53	17.34	18.13	18.92	19.73	21.44	23.44
	164.55	16.21	2.34	School	14.24	14.98	15.61	15.91	16.21	16.50	16.80	17.43	18.17
30	160.09	17.52	6.31	Student	12.20	14.21	15.92	16.72	17.52	18.31	19.12	20.83	22.83
	165.66	16.02	2.34	School	14.06	14.80	15.43	15.73	16.02	16.32	16.62	17.25	17.99
35	162.60	16.95	6.31	Student	11.64	13.64	15.35	16.16	16.95	17.74	18.55	20.26	22.26
	166.70	15.85	2.34	School	13.89	14.63	15.26	15.56	15.85	16.15	16.45	17.08	17.82
40	164.98	16.41	6.31	Student	11.10	13.10	14.81	15.62	16.41	17.21	18.01	19.72	21.73
	167.68	15.69	2.34	School	13.72	14.47	15.10	15.40	15.69	15.99	16.28	16.92	17.66
45	167.29	15.89	6.31	Student	10.58	12.58	14.29	15.10	15.89	16.69	17.49	19.20	21.21
	168.62	15.54	2.34	School	13.57	14.31	14.94	15.24	15.54	15.83	16.13	16.76	17.50
48	168.65	15.59	6.31	Student	10.27	12.28	13.99	14.79	15.59	16.38	17.19	18.90	20.90
	169.19	15.44	2.34	School	13.48	14.22	14.85	15.15	15.44	15.74	16.04	16.67	17.41
50	169.56	15.38	6.31	Student	10.07	12.07	13.78	14.59	15.38	16.18	16.98	18.69	20.70
	169.56	15.38	2.34	School	13.41	14.16	14.79	15.09	15.38	15.68	15.97	16.61	17.35
52	170.46	15.18	6.31	Student	9.87	11.87	13.58	14.38	15.18	15.97	16.78	18.49	20.49
	169.93	15.32	2.34	School	13.35	14.09	14.73	15.03	15.32	15.61	15.91	16.55	17.29
55	171.83	14.87	6.31	Student	9.56	11.56	13.27	14.08	14.87	15.66	16.47	18.18	20.18
	170.49	15.23	2.34	School	13.26	14.00	14.64	14.93	15.23	15.52	15.82	16.45	17.20
60	174.13	14.35	6.31	Student	9.04	11.04	12.75	13.56	14.35	15.14	15.95	17.66	19.66
	171.44	15.07	2.34	School	13.10	13.85	14.48	14.78	15.07	15.37	15.66	16.30	17.04
65	176.51	13.81	6.31	Student	8.50	10.50	12.21	13.02	13.81	14.61	15.41	17.12	19.13
	172.42	14.91	2.34	School	12.94	13.69	14.32	14.62	14.91	15.20	15.50	16.14	16.88
70	179.02	13.25	6.31	Student	7.93	9.94	11.65	12.45	13.25	14.04	14.85	16.56	18.56
	173.45	14.74	2.34	School	12.77	13.51	14.15	14.45	14.74	15.03	15.33	15.97	16.71
75	181.73	12.64	6.31	Student	7.32	9.33	11.04	11.84	12.64	13.43	14.24	15.95	17.95
	174.57	14.56	2.34	School	12.59	13.33	13.97	14.26	14.56	14.85	15.15	15.78	16.52
80	184.75	11.96	6.31	Student	6.64	8.64	10.36	11.16	11.96	12.75	13.55	15.27	17.27
	175.81	14.35	2.34	School	12.39	13.13	13.76	14.06	14.35	14.65	14.95	15.58	16.32
85	188.27	11.16	6.31	Student	5.85	7.85	9.56	10.37	11.16	11.96	12.76	14.47	16.48
	177.25	14.11	2.34	School	12.15	12.89	13.52	13.82	14.11	14.41	14.71	15.34	16.08
90	192.69	10.16	6.31	Student	4.85	6.85	8.56	9.37	10.16	10.96	11.76	13.47	15.48
	179.07	13.82	2.34	School	11.85	12.59	13.22	13.52	13.82	14.11	14.41	15.04	15.78

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.2: Language Usage Grade 2 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	151.23	20.86	7.12	Student	14.87	17.13	19.06	19.97	20.86	21.76	22.67	24.60	26.86
	166.15	15.47	2.69	School	13.21	14.06	14.79	15.13	15.47	15.81	16.15	16.88	17.73
20	159.90	18.23	7.12	Student	12.23	14.49	16.42	17.33	18.23	19.12	20.03	21.96	24.22
	169.70	14.69	2.69	School	12.42	13.28	14.00	14.35	14.69	15.02	15.37	16.09	16.95
25	163.20	17.23	7.12	Student	11.23	13.49	15.42	16.33	17.23	18.12	19.03	20.96	23.22
	171.05	14.39	2.69	School	12.13	12.98	13.71	14.05	14.39	14.73	15.07	15.80	16.65
30	166.16	16.33	7.12	Student	10.33	12.59	14.52	15.43	16.33	17.22	18.13	20.06	22.32
	172.26	14.12	2.69	School	11.86	12.71	13.44	13.78	14.12	14.46	14.80	15.53	16.38
35	168.90	15.49	7.12	Student	9.50	11.76	13.69	14.60	15.49	16.39	17.30	19.23	21.49
	173.39	13.87	2.69	School	11.61	12.46	13.19	13.53	13.87	14.21	14.55	15.28	16.13
40	171.50	14.70	7.12	Student	8.71	10.97	12.90	13.81	14.70	15.60	16.51	18.44	20.70
	174.45	13.64	2.69	School	11.38	12.23	12.96	13.30	13.64	13.97	14.32	15.05	15.90
45	174.02	13.94	7.12	Student	7.94	10.20	12.13	13.04	13.94	14.83	15.74	17.67	19.93
	175.48	13.41	2.69	School	11.15	12.00	12.73	13.07	13.41	13.75	14.09	14.82	15.67
48	175.51	13.49	7.12	Student	7.49	9.75	11.68	12.59	13.49	14.38	15.29	17.22	19.48
	176.09	13.27	2.69	School	11.01	11.87	12.59	12.94	13.27	13.61	13.96	14.68	15.54
50	176.50	13.18	7.12	Student	7.19	9.45	11.38	12.29	13.18	14.08	14.99	16.92	19.18
	176.50	13.18	2.69	School	10.92	11.78	12.50	12.85	13.18	13.52	13.87	14.59	15.45
52	177.49	12.88	7.12	Student	6.89	9.15	11.08	11.99	12.88	13.78	14.69	16.62	18.88
	176.90	13.10	2.69	School	10.83	11.69	12.41	12.76	13.10	13.43	13.78	14.50	15.36
55	178.98	12.43	7.12	Student	6.44	8.70	10.63	11.54	12.43	13.33	14.24	16.17	18.43
	177.51	12.96	2.69	School	10.70	11.55	12.28	12.62	12.96	13.30	13.64	14.37	15.22
60	181.49	11.67	7.12	Student	5.67	7.93	9.86	10.77	11.67	12.56	13.47	15.40	17.66
	178.54	12.73	2.69	School	10.47	11.32	12.05	12.40	12.73	13.07	13.41	14.14	14.99
65	184.10	10.88	7.12	Student	4.88	7.14	9.07	9.98	10.88	11.77	12.68	14.61	16.87
	179.61	12.50	2.69	School	10.24	11.09	11.82	12.16	12.50	12.84	13.18	13.91	14.76
70	186.84	10.04	7.12	Student	4.05	6.31	8.24	9.15	10.04	10.94	11.85	13.78	16.04
	180.73	12.25	2.69	School	9.99	10.84	11.57	11.91	12.25	12.59	12.93	13.66	14.51
75	189.80	9.14	7.12	Student	3.15	5.41	7.34	8.25	9.14	10.04	10.95	12.88	15.14
	181.94	11.98	2.69	School	9.72	10.57	11.30	11.64	11.98	12.32	12.66	13.39	14.24
80	193.09	8.14	7.12	Student	2.15	4.41	6.34	7.25	8.14	9.04	9.95	11.88	14.14
	183.29	11.68	2.69	School	9.42	10.28	11.00	11.35	11.68	12.02	12.37	13.09	13.95
85	196.94	6.98	7.12	Student	0.98	3.24	5.17	6.08	6.98	7.87	8.78	10.71	12.97
	184.87	11.34	2.69	School	9.08	9.93	10.66	11.00	11.34	11.67	12.02	12.75	13.60
90	201.77	5.51	7.12	Student	-0.49	1.77	3.70	4.61	5.51	6.40	7.31	9.24	11.50
	186.85	10.90	2.69	School	8.64	9.49	10.22	10.56	10.90	11.24	11.58	12.31	13.16

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.3: Language Usage Grade 2 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	153.26	19.19	8.92	Student	11.69	14.51	16.93	18.07	19.19	20.31	21.45	23.86	26.69
	166.02	15.39	2.53	School	13.26	14.07	14.75	15.07	15.39	15.71	16.03	16.72	17.52
20	160.56	17.68	8.92	Student	10.18	13.01	15.42	16.56	17.68	18.80	19.94	22.36	25.19
	168.93	15.19	2.53	School	13.06	13.86	14.55	14.87	15.19	15.51	15.83	16.52	17.32
25	163.33	17.11	8.92	Student	9.61	12.44	14.85	15.99	17.11	18.23	19.37	21.79	24.61
	170.04	15.11	2.53	School	12.98	13.79	14.47	14.80	15.11	15.43	15.75	16.44	17.24
30	165.82	16.60	8.92	Student	9.09	11.92	14.34	15.48	16.60	17.72	18.86	21.27	24.10
	171.04	15.04	2.53	School	12.92	13.72	14.40	14.73	15.04	15.36	15.69	16.37	17.17
35	168.12	16.12	8.92	Student	8.62	11.45	13.86	15.00	16.12	17.24	18.38	20.80	23.63
	171.96	14.98	2.53	School	12.85	13.65	14.34	14.66	14.98	15.30	15.62	16.31	17.11
40	170.31	15.67	8.92	Student	8.17	11.00	13.41	14.55	15.67	16.79	17.93	20.35	23.17
	172.83	14.92	2.53	School	12.79	13.59	14.28	14.60	14.92	15.24	15.56	16.25	17.05
45	172.43	15.23	8.92	Student	7.73	10.56	12.97	14.11	15.23	16.35	17.49	19.91	22.74
	173.68	14.86	2.53	School	12.73	13.53	14.22	14.54	14.86	15.18	15.50	16.19	16.99
48	173.68	14.98	8.92	Student	7.47	10.30	12.72	13.85	14.98	16.10	17.23	19.65	22.48
	174.18	14.83	2.53	School	12.70	13.50	14.19	14.51	14.83	15.14	15.47	16.15	16.96
50	174.51	14.80	8.92	Student	7.30	10.13	12.54	13.68	14.80	15.92	17.06	19.48	22.31
	174.51	14.80	2.53	School	12.67	13.48	14.16	14.49	14.80	15.12	15.44	16.13	16.93
52	175.34	14.63	8.92	Student	7.13	9.96	12.37	13.51	14.63	15.75	16.89	19.31	22.14
	174.85	14.78	2.53	School	12.65	13.45	14.14	14.46	14.78	15.10	15.42	16.11	16.91
55	176.60	14.37	8.92	Student	6.87	9.70	12.12	13.25	14.37	15.49	16.63	19.05	21.88
	175.35	14.75	2.53	School	12.62	13.42	14.11	14.43	14.75	15.06	15.39	16.07	16.87
60	178.71	13.94	8.92	Student	6.43	9.26	11.68	12.82	13.94	15.06	16.20	18.61	21.44
	176.19	14.69	2.53	School	12.56	13.36	14.05	14.37	14.69	15.01	15.33	16.01	16.82
65	180.90	13.49	8.92	Student	5.98	8.81	11.23	12.36	13.49	14.61	15.74	18.16	20.99
	177.07	14.63	2.53	School	12.50	13.30	13.99	14.31	14.63	14.94	15.27	15.95	16.76
70	183.21	13.01	8.92	Student	5.51	8.33	10.75	11.89	13.01	14.13	15.27	17.68	20.51
	177.99	14.56	2.53	School	12.43	13.24	13.92	14.24	14.56	14.88	15.20	15.89	16.69
75	185.70	12.50	8.92	Student	4.99	7.82	10.24	11.38	12.50	13.62	14.75	17.17	20.00
	178.99	14.49	2.53	School	12.37	13.17	13.85	14.18	14.49	14.81	15.13	15.82	16.62
80	188.47	11.92	8.92	Student	4.42	7.25	9.67	10.80	11.92	13.04	14.18	16.60	19.43
	180.09	14.42	2.53	School	12.29	13.09	13.78	14.10	14.42	14.73	15.06	15.74	16.55
85	191.70	11.26	8.92	Student	3.75	6.58	9.00	10.14	11.26	12.38	13.52	15.93	18.76
	181.38	14.33	2.53	School	12.20	13.00	13.69	14.01	14.33	14.65	14.97	15.65	16.46
90	195.76	10.42	8.92	Student	2.92	5.74	8.16	9.30	10.42	11.54	12.68	15.09	17.92
	183.01	14.22	2.53	School	12.09	12.89	13.57	13.90	14.22	14.53	14.86	15.54	16.34

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.4: Language Usage Grade 2 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	153.26 <i>166.02</i>	20.28 <i>15.55</i>	8.98 <i>2.59</i>	Student <i>School</i>	12.72 <i>13.37</i>	15.57 <i>14.19</i>	18.01 <i>14.90</i>	19.15 <i>15.23</i>	20.28 <i>15.55</i>	21.41 <i>15.88</i>	22.56 <i>16.21</i>	24.99 <i>16.91</i>	27.84 <i>17.73</i>
20	160.56 <i>168.93</i>	18.53 <i>15.42</i>	8.98 <i>2.59</i>	Student <i>School</i>	10.97 <i>13.24</i>	13.82 <i>14.06</i>	16.25 <i>14.76</i>	17.40 <i>15.10</i>	18.53 <i>15.42</i>	19.66 <i>15.75</i>	20.80 <i>16.08</i>	23.24 <i>16.78</i>	26.09 <i>17.60</i>
25	163.33 <i>170.04</i>	17.86 <i>15.37</i>	8.98 <i>2.59</i>	Student <i>School</i>	10.30 <i>13.19</i>	13.15 <i>14.01</i>	15.58 <i>14.71</i>	16.73 <i>15.05</i>	17.86 <i>15.37</i>	18.99 <i>15.70</i>	20.14 <i>16.03</i>	22.57 <i>16.73</i>	25.42 <i>17.55</i>
30	165.82 <i>171.04</i>	17.26 <i>15.33</i>	8.98 <i>2.59</i>	Student <i>School</i>	9.70 <i>13.15</i>	12.55 <i>13.97</i>	14.99 <i>14.67</i>	16.13 <i>15.00</i>	17.26 <i>15.33</i>	18.39 <i>15.65</i>	19.54 <i>15.98</i>	21.97 <i>16.68</i>	24.82 <i>17.51</i>
35	168.12 <i>171.96</i>	16.71 <i>15.28</i>	8.98 <i>2.59</i>	Student <i>School</i>	9.15 <i>13.11</i>	12.00 <i>13.93</i>	14.43 <i>14.63</i>	15.58 <i>14.96</i>	16.71 <i>15.28</i>	17.84 <i>15.61</i>	18.98 <i>15.94</i>	21.42 <i>16.64</i>	24.27 <i>17.46</i>
40	170.31 <i>172.83</i>	16.18 <i>15.25</i>	8.98 <i>2.59</i>	Student <i>School</i>	8.62 <i>13.07</i>	11.47 <i>13.89</i>	13.90 <i>14.59</i>	15.05 <i>14.92</i>	16.18 <i>15.25</i>	17.31 <i>15.57</i>	18.46 <i>15.90</i>	20.89 <i>16.60</i>	23.74 <i>17.42</i>
45	172.43 <i>173.68</i>	15.67 <i>15.21</i>	8.98 <i>2.59</i>	Student <i>School</i>	8.11 <i>13.03</i>	10.96 <i>13.85</i>	13.40 <i>14.55</i>	14.54 <i>14.88</i>	15.67 <i>15.21</i>	16.80 <i>15.53</i>	17.95 <i>15.86</i>	20.38 <i>16.57</i>	23.23 <i>17.39</i>
48	173.68 <i>174.18</i>	15.37 <i>15.18</i>	8.98 <i>2.59</i>	Student <i>School</i>	7.81 <i>13.01</i>	10.66 <i>13.83</i>	13.09 <i>14.53</i>	14.24 <i>14.86</i>	15.37 <i>15.18</i>	16.50 <i>15.51</i>	17.65 <i>15.84</i>	20.08 <i>16.54</i>	22.93 <i>17.36</i>
50	174.51 <i>174.51</i>	15.17 <i>15.17</i>	8.98 <i>2.59</i>	Student <i>School</i>	7.61 <i>12.99</i>	10.46 <i>13.81</i>	12.89 <i>14.51</i>	14.04 <i>14.84</i>	15.17 <i>15.17</i>	16.30 <i>15.50</i>	17.45 <i>15.83</i>	19.88 <i>16.53</i>	22.73 <i>17.35</i>
52	175.34 <i>174.85</i>	14.97 <i>15.16</i>	8.98 <i>2.59</i>	Student <i>School</i>	7.41 <i>12.98</i>	10.26 <i>13.80</i>	12.69 <i>14.50</i>	13.84 <i>14.83</i>	14.97 <i>15.16</i>	16.10 <i>15.48</i>	17.25 <i>15.81</i>	19.68 <i>16.51</i>	22.53 <i>17.33</i>
55	176.60 <i>175.35</i>	14.67 <i>15.13</i>	8.98 <i>2.59</i>	Student <i>School</i>	7.11 <i>12.95</i>	9.96 <i>13.77</i>	12.39 <i>14.48</i>	13.54 <i>14.81</i>	14.67 <i>15.13</i>	15.80 <i>15.46</i>	16.94 <i>15.79</i>	19.38 <i>16.49</i>	22.23 <i>17.31</i>
60	178.71 <i>176.19</i>	14.16 <i>15.09</i>	8.98 <i>2.59</i>	Student <i>School</i>	6.60 <i>12.92</i>	9.45 <i>13.74</i>	11.88 <i>14.44</i>	13.03 <i>14.77</i>	14.16 <i>15.09</i>	15.29 <i>15.42</i>	16.44 <i>15.75</i>	18.87 <i>16.45</i>	21.72 <i>17.27</i>
65	180.90 <i>177.07</i>	13.63 <i>15.06</i>	8.98 <i>2.59</i>	Student <i>School</i>	6.07 <i>12.88</i>	8.92 <i>13.70</i>	11.36 <i>14.40</i>	12.50 <i>14.73</i>	13.63 <i>15.06</i>	14.76 <i>15.38</i>	15.91 <i>15.71</i>	18.34 <i>16.41</i>	21.19 <i>17.23</i>
70	183.21 <i>177.99</i>	13.08 <i>15.01</i>	8.98 <i>2.59</i>	Student <i>School</i>	5.52 <i>12.83</i>	8.37 <i>13.66</i>	10.80 <i>14.36</i>	11.95 <i>14.69</i>	13.08 <i>15.01</i>	14.21 <i>15.34</i>	15.35 <i>15.67</i>	17.79 <i>16.37</i>	20.64 <i>17.19</i>
75	185.70 <i>178.99</i>	12.48 <i>14.97</i>	8.98 <i>2.59</i>	Student <i>School</i>	4.92 <i>12.79</i>	7.77 <i>13.61</i>	10.20 <i>14.31</i>	11.35 <i>14.64</i>	12.48 <i>14.97</i>	13.61 <i>15.29</i>	14.76 <i>15.62</i>	17.19 <i>16.33</i>	20.04 <i>17.15</i>
80	188.47 <i>180.09</i>	11.81 <i>14.92</i>	8.98 <i>2.59</i>	Student <i>School</i>	4.25 <i>12.74</i>	7.10 <i>13.56</i>	9.54 <i>14.26</i>	10.68 <i>14.59</i>	11.81 <i>14.92</i>	12.94 <i>15.24</i>	14.09 <i>15.58</i>	16.52 <i>16.28</i>	19.37 <i>17.10</i>
85	191.70 <i>181.38</i>	11.04 <i>14.86</i>	8.98 <i>2.59</i>	Student <i>School</i>	3.48 <i>12.68</i>	6.33 <i>13.50</i>	8.76 <i>14.21</i>	9.91 <i>14.54</i>	11.04 <i>14.86</i>	12.17 <i>15.19</i>	13.31 <i>15.52</i>	15.75 <i>16.22</i>	18.60 <i>17.04</i>
90	195.76 <i>183.01</i>	10.06 <i>14.79</i>	8.98 <i>2.59</i>	Student <i>School</i>	2.50 <i>12.61</i>	5.35 <i>13.43</i>	7.78 <i>14.13</i>	8.93 <i>14.46</i>	10.06 <i>14.79</i>	11.19 <i>15.11</i>	12.33 <i>15.44</i>	14.77 <i>16.15</i>	17.62 <i>16.97</i>

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.5: Language Usage Grade 2 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	153.26 166.02	13.65 10.65	6.11 1.48	Student School	8.50 9.40	10.44 9.87	12.10 10.27	12.88 10.46	13.65 10.65	14.41 10.83	15.19 11.02	16.85 11.42	18.79 11.89
20	160.56 168.93	12.54 10.57	6.11 1.48	Student School	7.40 9.32	9.34 9.79	10.99 10.20	11.77 10.38	12.54 10.57	13.31 10.76	14.09 10.95	15.75 11.35	17.68 11.82
25	163.33 170.04	12.12 10.54	6.11 1.48	Student School	6.98 9.30	8.92 9.77	10.57 10.17	11.35 10.36	12.12 10.54	12.89 10.73	13.67 10.92	15.33 11.32	17.26 11.79
30	165.82 171.04	11.74 10.52	6.11 1.48	Student School	6.60 9.27	8.54 9.74	10.20 10.14	10.98 10.33	11.74 10.52	12.51 10.70	13.29 10.89	14.95 11.29	16.89 11.76
35	168.12 171.96	11.39 10.49	6.11 1.48	Student School	6.25 9.25	8.19 9.72	9.85 10.12	10.63 10.31	11.39 10.49	12.16 10.68	12.94 10.87	14.60 11.27	16.54 11.74
40	170.31 172.83	11.06 10.47	6.11 1.48	Student School	5.92 9.22	7.86 9.69	9.51 10.09	10.30 10.28	11.06 10.47	11.83 10.66	12.61 10.84	14.27 11.25	16.21 11.72
45	172.43 173.68	10.74 10.45	6.11 1.48	Student School	5.60 9.20	7.54 9.67	9.19 10.07	9.97 10.26	10.74 10.45	11.51 10.63	12.29 10.82	13.95 11.22	15.89 11.69
48	173.68 174.18	10.55 10.44	6.11 1.48	Student School	5.41 9.19	7.35 9.66	9.00 10.06	9.78 10.25	10.55 10.44	11.32 10.62	12.10 10.81	13.76 11.21	15.70 11.68
50	174.51 174.51	10.43 10.43	6.11 1.48	Student School	5.28 9.18	7.22 9.65	8.88 10.05	9.66 10.24	10.43 10.43	11.19 10.61	11.98 10.80	13.63 11.20	15.57 11.67
52	175.34 174.85	10.30 10.42	6.11 1.48	Student School	5.16 9.17	7.10 9.64	8.75 10.04	9.53 10.23	10.30 10.42	11.07 10.60	11.85 10.79	13.51 11.19	15.44 11.66
55	176.60 175.35	10.11 10.41	6.11 1.48	Student School	4.97 9.16	6.91 9.63	8.56 10.03	9.34 10.22	10.11 10.41	10.88 10.59	11.66 10.78	13.32 11.18	15.25 11.65
60	178.71 176.19	9.79 10.38	6.11 1.48	Student School	4.65 9.14	6.59 9.61	8.24 10.01	9.02 10.20	9.79 10.38	10.56 10.57	11.34 10.76	13.00 11.16	14.93 11.63
65	180.90 177.07	9.46 10.36	6.11 1.48	Student School	4.32 9.12	6.25 9.58	7.91 9.99	8.69 10.18	9.46 10.36	10.23 10.55	11.01 10.74	12.66 11.14	14.60 11.61
70	183.21 177.99	9.11 10.34	6.11 1.48	Student School	3.97 9.09	5.90 9.56	7.56 9.96	8.34 10.15	9.11 10.34	9.88 10.52	10.66 10.71	12.31 11.11	14.25 11.58
75	185.70 178.99	8.73 10.31	6.11 1.48	Student School	3.59 9.07	5.53 9.54	7.18 9.94	7.96 10.13	8.73 10.31	9.50 10.50	10.28 10.69	11.94 11.09	13.88 11.56
80	188.47 180.09	8.31 10.28	6.11 1.48	Student School	3.17 9.04	5.11 9.51	6.76 9.91	7.55 10.10	8.31 10.28	9.08 10.47	9.86 10.66	11.52 11.06	13.46 11.53
85	191.70 181.38	7.82 10.25	6.11 1.48	Student School	2.68 9.00	4.62 9.47	6.28 9.88	7.06 10.06	7.82 10.25	8.59 10.44	9.37 10.63	11.03 11.03	12.97 11.50
90	195.76 183.01	7.21 10.21	6.11 1.48	Student School	2.06 8.96	4.00 9.43	5.66 9.83	6.44 10.02	7.21 10.21	7.98 10.39	8.76 10.58	10.41 10.98	12.35 11.45

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.6: Language Usage Grade 2 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	165.28	5.93	5.62	Student	1.20	2.99	4.51	5.23	5.93	6.64	7.36	8.88	10.66	
	176.45	4.59	1.11	School	3.65	4.00	4.30	4.45	4.59	4.73	4.87	5.17	5.52	
20	172.03	5.52	5.62	Student	0.80	2.58	4.10	4.82	5.52	6.23	6.95	8.47	10.25	
	179.36	4.64	1.11	School	3.70	4.06	4.36	4.50	4.64	4.78	4.92	5.22	5.57	
25	174.59	5.37	5.62	Student	0.64	2.42	3.95	4.66	5.37	6.08	6.79	8.32	10.10	
	180.47	4.66	1.11	School	3.73	4.08	4.38	4.52	4.66	4.80	4.94	5.24	5.59	
30	176.90	5.23	5.62	Student	0.50	2.28	3.81	4.52	5.23	5.94	6.65	8.18	9.96	
	181.46	4.68	1.11	School	3.74	4.10	4.40	4.54	4.68	4.82	4.96	5.26	5.61	
35	179.03	5.10	5.62	Student	0.37	2.15	3.68	4.39	5.10	5.81	6.52	8.05	9.83	
	182.39	4.70	1.11	School	3.76	4.11	4.41	4.56	4.70	4.84	4.98	5.28	5.63	
40	181.05	4.98	5.62	Student	0.25	2.03	3.55	4.27	4.98	5.68	6.40	7.92	9.71	
	183.26	4.71	1.11	School	3.78	4.13	4.43	4.57	4.71	4.85	4.99	5.29	5.65	
45	183.01	4.86	5.62	Student	0.13	1.91	3.44	4.15	4.86	5.57	6.28	7.81	9.59	
	184.11	4.73	1.11	School	3.79	4.15	4.45	4.59	4.73	4.87	5.01	5.31	5.66	
48	184.17	4.79	5.62	Student	0.06	1.84	3.37	4.08	4.79	5.50	6.21	7.74	9.52	
	184.61	4.74	1.11	School	3.80	4.15	4.46	4.60	4.74	4.88	5.02	5.32	5.67	
50	184.94	4.74	5.62	Student	0.01	1.80	3.32	4.04	4.74	5.45	6.17	7.69	9.47	
	184.94	4.74	1.11	School	3.81	4.16	4.46	4.60	4.74	4.88	5.02	5.33	5.68	
52	185.71	4.70	5.62	Student	-0.03	1.75	3.27	3.99	4.70	5.40	6.12	7.64	9.43	
	185.27	4.75	1.11	School	3.81	4.17	4.47	4.61	4.75	4.89	5.03	5.33	5.68	
55	186.87	4.63	5.62	Student	-0.10	1.68	3.20	3.92	4.63	5.33	6.05	7.57	9.36	
	185.77	4.76	1.11	School	3.82	4.18	4.48	4.62	4.76	4.90	5.04	5.34	5.69	
60	188.83	4.51	5.62	Student	-0.22	1.56	3.08	3.80	4.51	5.21	5.93	7.45	9.24	
	186.62	4.77	1.11	School	3.84	4.19	4.49	4.63	4.77	4.91	5.06	5.36	5.71	
65	190.85	4.39	5.62	Student	-0.34	1.44	2.96	3.68	4.39	5.09	5.81	7.33	9.11	
	187.49	4.79	1.11	School	3.86	4.21	4.51	4.65	4.79	4.93	5.07	5.37	5.73	
70	192.98	4.26	5.62	Student	-0.47	1.31	2.83	3.55	4.26	4.96	5.68	7.20	8.99	
	188.42	4.81	1.11	School	3.87	4.23	4.53	4.67	4.81	4.95	5.09	5.39	5.74	
75	195.29	4.12	5.62	Student	-0.61	1.17	2.69	3.41	4.12	4.82	5.54	7.06	8.85	
	189.41	4.83	1.11	School	3.89	4.24	4.54	4.69	4.83	4.97	5.11	5.41	5.76	
80	197.85	3.96	5.62	Student	-0.77	1.02	2.54	3.26	3.96	4.67	5.39	6.91	8.69	
	190.52	4.85	1.11	School	3.91	4.26	4.57	4.71	4.85	4.99	5.13	5.43	5.78	
85	200.84	3.78	5.62	Student	-0.95	0.83	2.36	3.07	3.78	4.49	5.20	6.73	8.51	
	191.81	4.87	1.11	School	3.94	4.29	4.59	4.73	4.87	5.01	5.15	5.45	5.81	
90	204.60	3.55	5.62	Student	-1.18	0.61	2.13	2.85	3.55	4.26	4.98	6.50	8.28	
	193.43	4.90	1.11	School	3.97	4.32	4.62	4.76	4.90	5.04	5.18	5.48	5.84	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.7: Language Usage Grade 3 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	164.59	15.57	5.79	Student	10.70	12.54	14.11	14.85	15.57	16.30	17.04	18.61	20.45
	176.45	12.78	1.62	School	11.41	11.93	12.37	12.57	12.78	12.98	13.19	13.62	14.14
20	171.51	14.38	5.79	Student	9.50	11.34	12.91	13.65	14.38	15.10	15.84	17.41	19.25
	179.30	12.54	1.62	School	11.18	11.69	12.13	12.34	12.54	12.74	12.95	13.39	13.90
25	174.14	13.92	5.79	Student	9.05	10.88	12.45	13.19	13.92	14.65	15.39	16.96	18.79
	180.38	12.45	1.62	School	11.09	11.60	12.04	12.25	12.45	12.65	12.86	13.30	13.81
30	176.50	13.51	5.79	Student	8.64	10.48	12.05	12.78	13.51	14.24	14.98	16.55	18.38
	181.35	12.37	1.62	School	11.01	11.52	11.96	12.16	12.37	12.57	12.78	13.22	13.73
35	178.69	13.13	5.79	Student	8.26	10.10	11.67	12.41	13.13	13.86	14.60	16.17	18.01
	182.25	12.29	1.62	School	10.93	11.44	11.88	12.09	12.29	12.50	12.70	13.14	13.66
40	180.76	12.77	5.79	Student	7.90	9.74	11.31	12.05	12.77	13.50	14.24	15.81	17.65
	183.11	12.22	1.62	School	10.86	11.37	11.81	12.02	12.22	12.43	12.63	13.07	13.58
45	182.77	12.43	5.79	Student	7.55	9.39	10.96	11.70	12.43	13.15	13.89	15.46	17.30
	183.93	12.15	1.62	School	10.79	11.30	11.74	11.95	12.15	12.36	12.56	13.00	13.52
48	183.96	12.22	5.79	Student	7.35	9.19	10.75	11.49	12.22	12.95	13.69	15.26	17.09
	184.42	12.11	1.62	School	10.75	11.26	11.70	11.91	12.11	12.32	12.52	12.96	13.47
50	184.75	12.09	5.79	Student	7.21	9.05	10.62	11.36	12.09	12.81	13.55	15.12	16.96
	184.75	12.09	1.62	School	10.72	11.24	11.67	11.88	12.09	12.29	12.50	12.93	13.45
52	185.54	11.95	5.79	Student	7.08	8.91	10.48	11.22	11.95	12.68	13.42	14.98	16.82
	185.07	12.06	1.62	School	10.70	11.21	11.65	11.85	12.06	12.26	12.47	12.91	13.42
55	186.73	11.74	5.79	Student	6.87	8.71	10.28	11.02	11.74	12.47	13.21	14.78	16.62
	185.56	12.02	1.62	School	10.65	11.17	11.61	11.81	12.02	12.22	12.43	12.87	13.38
60	188.73	11.40	5.79	Student	6.52	8.36	9.93	10.67	11.40	12.12	12.86	14.43	16.27
	186.39	11.95	1.62	School	10.59	11.10	11.54	11.75	11.95	12.15	12.36	12.80	13.31
65	190.81	11.04	5.79	Student	6.16	8.00	9.57	10.31	11.04	11.76	12.50	14.07	15.91
	187.25	11.88	1.62	School	10.51	11.03	11.47	11.67	11.88	12.08	12.29	12.73	13.24
70	193.00	10.66	5.79	Student	5.79	7.62	9.19	9.93	10.66	11.39	12.12	13.69	15.53
	188.15	11.80	1.62	School	10.44	10.95	11.39	11.60	11.80	12.01	12.21	12.65	13.16
75	195.36	10.25	5.79	Student	5.38	7.21	8.78	9.52	10.25	10.98	11.72	13.29	15.12
	189.12	11.72	1.62	School	10.36	10.87	11.31	11.52	11.72	11.92	12.13	12.57	13.08
80	197.99	9.79	5.79	Student	4.92	6.76	8.33	9.07	9.79	10.52	11.26	12.83	14.67
	190.20	11.63	1.62	School	10.27	10.78	11.22	11.43	11.63	11.83	12.04	12.48	12.99
85	201.05	9.26	5.79	Student	4.39	6.23	7.80	8.54	9.26	9.99	10.73	12.30	14.14
	191.46	11.53	1.62	School	10.16	10.68	11.12	11.32	11.53	11.73	11.94	12.38	12.89
90	204.90	8.60	5.79	Student	3.73	5.56	7.13	7.87	8.60	9.32	10.06	11.63	13.47
	193.05	11.39	1.62	School	10.03	10.55	10.98	11.19	11.39	11.60	11.80	12.24	12.76

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.8: Language Usage Grade 3 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	168.99	14.85	6.37	Student	9.49	11.51	13.24	14.05	14.85	15.65	16.46	18.19	20.21
	180.82	11.64	2.10	School	9.88	10.54	11.11	11.38	11.64	11.90	12.17	12.74	13.41
20	176.04	13.35	6.37	Student	7.98	10.00	11.73	12.54	13.35	14.15	14.96	16.69	18.71
	183.81	11.24	2.10	School	9.47	10.14	10.71	10.97	11.24	11.50	11.77	12.34	13.00
25	178.71	12.77	6.37	Student	7.41	9.43	11.16	11.97	12.77	13.57	14.39	16.11	18.13
	184.94	11.08	2.10	School	9.32	9.98	10.55	10.82	11.08	11.35	11.62	12.18	12.85
30	181.12	12.26	6.37	Student	6.90	8.92	10.65	11.46	12.26	13.06	13.87	15.60	17.62
	185.96	10.95	2.10	School	9.18	9.85	10.42	10.68	10.95	11.21	11.48	12.05	12.71
35	183.34	11.78	6.37	Student	6.42	8.44	10.17	10.98	11.78	12.58	13.40	15.12	17.15
	186.90	10.82	2.10	School	9.05	9.72	10.29	10.56	10.82	11.08	11.35	11.92	12.58
40	185.46	11.33	6.37	Student	5.97	7.99	9.72	10.53	11.33	12.13	12.95	14.67	16.69
	187.79	10.70	2.10	School	8.93	9.60	10.17	10.43	10.70	10.96	11.23	11.80	12.46
45	187.50	10.90	6.37	Student	5.53	7.55	9.28	10.10	10.90	11.70	12.51	14.24	16.26
	188.66	10.58	2.10	School	8.82	9.48	10.05	10.32	10.58	10.84	11.11	11.68	12.35
48	188.71	10.64	6.37	Student	5.28	7.30	9.02	9.84	10.64	11.44	12.25	13.98	16.00
	189.17	10.51	2.10	School	8.75	9.41	9.98	10.25	10.51	10.78	11.04	11.61	12.28
50	189.51	10.47	6.37	Student	5.10	7.12	8.85	9.67	10.47	11.27	12.08	13.81	15.83
	189.51	10.47	2.10	School	8.70	9.37	9.93	10.20	10.47	10.73	11.00	11.57	12.23
52	190.32	10.29	6.37	Student	4.93	6.95	8.68	9.49	10.29	11.09	11.91	13.63	15.66
	189.85	10.42	2.10	School	8.65	9.32	9.89	10.16	10.42	10.68	10.95	11.52	12.18
55	191.53	10.04	6.37	Student	4.67	6.69	8.42	9.24	10.04	10.84	11.65	13.38	15.40
	190.37	10.35	2.10	School	8.59	9.25	9.82	10.09	10.35	10.61	10.88	11.45	12.12
60	193.57	9.60	6.37	Student	4.24	6.26	7.98	8.80	9.60	10.40	11.21	12.94	14.96
	191.23	10.23	2.10	School	8.47	9.13	9.70	9.97	10.23	10.50	10.76	11.33	12.00
65	195.68	9.15	6.37	Student	3.79	5.81	7.53	8.35	9.15	9.95	10.76	12.49	14.51
	192.13	10.11	2.10	School	8.35	9.01	9.58	9.85	10.11	10.38	10.64	11.21	11.88
70	197.91	8.67	6.37	Student	3.31	5.33	7.06	7.87	8.67	9.47	10.29	12.01	14.03
	193.07	9.98	2.10	School	8.22	8.89	9.45	9.72	9.98	10.25	10.52	11.08	11.75
75	200.31	8.16	6.37	Student	2.80	4.82	6.54	7.36	8.16	8.96	9.77	11.50	13.52
	194.09	9.85	2.10	School	8.08	8.75	9.32	9.58	9.85	10.11	10.38	10.95	11.61
80	202.99	7.59	6.37	Student	2.22	4.25	5.97	6.79	7.59	8.39	9.20	10.93	12.95
	195.22	9.69	2.10	School	7.93	8.59	9.16	9.43	9.69	9.96	10.23	10.79	11.46
85	206.11	6.92	6.37	Student	1.56	3.58	5.31	6.12	6.92	7.72	8.53	10.26	12.28
	196.54	9.52	2.10	School	7.75	8.42	8.98	9.25	9.52	9.78	10.05	10.62	11.28
90	210.03	6.08	6.37	Student	0.72	2.74	4.47	5.28	6.08	6.88	7.69	9.42	11.44
	198.20	9.29	2.10	School	7.53	8.19	8.76	9.03	9.29	9.55	9.82	10.39	11.06

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.9: Language Usage Grade 3 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	169.93	12.28	7.41	Student	6.04	8.39	10.40	11.35	12.28	13.21	14.15	16.16	18.51
	181.34	10.25	1.96	School	8.60	9.22	9.75	10.00	10.25	10.49	10.74	11.28	11.90
20	176.62	11.46	7.41	Student	5.22	7.57	9.58	10.53	11.46	12.39	13.34	15.35	17.70
	184.11	10.13	1.96	School	8.48	9.10	9.63	9.88	10.13	10.37	10.62	11.16	11.78
25	179.16	11.15	7.41	Student	4.91	7.26	9.27	10.22	11.15	12.08	13.03	15.04	17.39
	185.16	10.08	1.96	School	8.43	9.05	9.59	9.84	10.08	10.33	10.58	11.11	11.73
30	181.44	10.87	7.41	Student	4.64	6.99	8.99	9.94	10.87	11.80	12.75	14.76	17.11
	186.11	10.04	1.96	School	8.39	9.01	9.54	9.80	10.04	10.29	10.54	11.07	11.69
35	183.55	10.61	7.41	Student	4.38	6.73	8.74	9.68	10.61	11.54	12.49	14.50	16.85
	186.98	10.00	1.96	School	8.35	8.98	9.51	9.76	10.00	10.25	10.50	11.03	11.65
40	185.56	10.37	7.41	Student	4.13	6.48	8.49	9.44	10.37	11.30	12.25	14.25	16.60
	187.81	9.97	1.96	School	8.32	8.94	9.47	9.72	9.97	10.21	10.46	10.99	11.62
45	187.50	10.13	7.41	Student	3.90	6.25	8.25	9.20	10.13	11.06	12.01	14.02	16.37
	188.62	9.93	1.96	School	8.28	8.90	9.44	9.69	9.93	10.18	10.43	10.96	11.58
48	188.65	9.99	7.41	Student	3.75	6.11	8.11	9.06	9.99	10.92	11.87	13.88	16.23
	189.09	9.91	1.96	School	8.26	8.88	9.42	9.67	9.91	10.16	10.41	10.94	11.56
50	189.41	9.90	7.41	Student	3.66	6.01	8.02	8.97	9.90	10.83	11.78	13.78	16.13
	189.41	9.90	1.96	School	8.25	8.87	9.40	9.65	9.90	10.14	10.39	10.93	11.55
52	190.17	9.80	7.41	Student	3.57	5.92	7.93	8.87	9.80	10.74	11.68	13.69	16.04
	189.72	9.88	1.96	School	8.24	8.86	9.39	9.64	9.88	10.13	10.38	10.91	11.53
55	191.32	9.66	7.41	Student	3.43	5.78	7.79	8.73	9.66	10.60	11.54	13.55	15.90
	190.20	9.86	1.96	School	8.21	8.84	9.37	9.62	9.86	10.11	10.36	10.89	11.51
60	193.26	9.43	7.41	Student	3.19	5.54	7.55	8.50	9.43	10.36	11.30	13.31	15.66
	191.00	9.83	1.96	School	8.18	8.80	9.33	9.58	9.83	10.07	10.32	10.86	11.48
65	195.27	9.18	7.41	Student	2.95	5.30	7.31	8.25	9.18	10.11	11.06	13.07	15.42
	191.83	9.79	1.96	School	8.14	8.77	9.30	9.55	9.79	10.04	10.29	10.82	11.44
70	197.38	8.92	7.41	Student	2.69	5.04	7.05	7.99	8.92	9.86	10.80	12.81	15.16
	192.71	9.75	1.96	School	8.11	8.73	9.26	9.51	9.75	10.00	10.25	10.78	11.40
75	199.66	8.65	7.41	Student	2.41	4.76	6.77	7.71	8.65	9.58	10.52	12.53	14.88
	193.65	9.71	1.96	School	8.06	8.69	9.22	9.47	9.71	9.96	10.21	10.74	11.36
80	202.20	8.34	7.41	Student	2.10	4.45	6.46	7.40	8.34	9.27	10.21	12.22	14.57
	194.71	9.67	1.96	School	8.02	8.64	9.17	9.42	9.67	9.91	10.16	10.70	11.32
85	205.16	7.97	7.41	Student	1.74	4.09	6.10	7.04	7.97	8.90	9.85	11.86	14.21
	195.93	9.61	1.96	School	7.97	8.59	9.12	9.37	9.61	9.86	10.11	10.64	11.26
90	208.89	7.52	7.41	Student	1.28	3.63	5.64	6.59	7.52	8.45	9.40	11.40	13.75
	197.48	9.55	1.96	School	7.90	8.52	9.05	9.30	9.55	9.79	10.04	10.57	11.20

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.10: Language Usage Grade 3 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	169.93	14.41	7.09	Student	8.45	10.69	12.62	13.52	14.41	15.30	16.21	18.13	20.38
	181.34	11.17	2.21	School	9.31	10.01	10.61	10.89	11.17	11.45	11.73	12.33	13.03
20	176.62	13.09	7.09	Student	7.13	9.38	11.30	12.20	13.09	13.98	14.89	16.81	19.06
	184.11	10.97	2.21	School	9.11	9.81	10.41	10.69	10.97	11.24	11.53	12.12	12.83
25	179.16	12.59	7.09	Student	6.63	8.87	10.80	11.70	12.59	13.48	14.39	16.31	18.56
	185.16	10.89	2.21	School	9.03	9.73	10.33	10.61	10.89	11.16	11.45	12.05	12.75
30	181.44	12.14	7.09	Student	6.18	8.42	10.35	11.25	12.14	13.03	13.94	15.86	18.11
	186.11	10.82	2.21	School	8.96	9.66	10.26	10.54	10.82	11.09	11.38	11.97	12.68
35	183.55	11.72	7.09	Student	5.76	8.01	9.93	10.83	11.72	12.62	13.52	15.44	17.69
	186.98	10.75	2.21	School	8.89	9.59	10.19	10.47	10.75	11.03	11.31	11.91	12.61
40	185.56	11.33	7.09	Student	5.36	7.61	9.53	10.44	11.33	12.22	13.12	15.05	17.29
	187.81	10.69	2.21	School	8.83	9.53	10.13	10.41	10.69	10.97	11.25	11.85	12.55
45	187.50	10.95	7.09	Student	4.98	7.23	9.15	10.06	10.95	11.84	12.74	14.66	16.91
	188.62	10.63	2.21	School	8.77	9.47	10.07	10.35	10.63	10.91	11.19	11.79	12.49
48	188.65	10.72	7.09	Student	4.76	7.00	8.92	9.83	10.72	11.61	12.52	14.44	16.68
	189.09	10.59	2.21	School	8.73	9.43	10.03	10.32	10.59	10.87	11.15	11.75	12.45
50	189.41	10.57	7.09	Student	4.60	6.85	8.77	9.68	10.57	11.46	12.37	14.29	16.53
	189.41	10.57	2.21	School	8.71	9.41	10.01	10.29	10.57	10.85	11.13	11.73	12.43
52	190.17	10.42	7.09	Student	4.45	6.70	8.62	9.53	10.42	11.31	12.21	14.14	16.38
	189.72	10.55	2.21	School	8.69	9.39	9.99	10.27	10.55	10.82	11.11	11.70	12.41
55	191.32	10.19	7.09	Student	4.23	6.48	8.40	9.30	10.19	11.08	11.99	13.91	16.16
	190.20	10.51	2.21	School	8.65	9.35	9.95	10.23	10.51	10.79	11.07	11.67	12.37
60	193.26	9.81	7.09	Student	3.85	6.09	8.01	8.92	9.81	10.70	11.61	13.53	15.77
	191.00	10.45	2.21	School	8.59	9.29	9.89	10.17	10.45	10.73	11.01	11.61	12.31
65	195.27	9.41	7.09	Student	3.45	5.70	7.62	8.52	9.41	10.31	11.21	13.13	15.38
	191.83	10.39	2.21	School	8.53	9.23	9.83	10.11	10.39	10.67	10.95	11.55	12.25
70	197.38	9.00	7.09	Student	3.03	5.28	7.20	8.11	9.00	9.89	10.79	12.71	14.96
	192.71	10.32	2.21	School	8.46	9.16	9.76	10.05	10.32	10.60	10.88	11.48	12.18
75	199.66	8.55	7.09	Student	2.58	4.83	6.75	7.66	8.55	9.44	10.34	12.26	14.51
	193.65	10.25	2.21	School	8.39	9.09	9.69	9.97	10.25	10.53	10.81	11.41	12.11
80	202.20	8.05	7.09	Student	2.08	4.33	6.25	7.16	8.05	8.94	9.84	11.76	14.01
	194.71	10.17	2.21	School	8.31	9.02	9.61	9.90	10.17	10.45	10.73	11.33	12.03
85	205.16	7.46	7.09	Student	1.50	3.75	5.67	6.57	7.46	8.35	9.26	11.18	13.43
	195.93	10.08	2.21	School	8.22	8.92	9.52	9.80	10.08	10.36	10.64	11.24	11.94
90	208.89	6.73	7.09	Student	0.76	3.01	4.93	5.84	6.73	7.62	8.52	10.44	12.69
	197.48	9.97	2.21	School	8.11	8.81	9.41	9.69	9.97	10.24	10.53	11.13	11.83

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.11: Language Usage Grade 3 From Fall To Winter Conditional Growth Percentile

Start Status	Growth		Conditional Growth										
			CGP	20	30	40	45	50	55	60	70	80	
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	169.93	9.95	5.25	Student	5.52	7.19	8.61	9.29	9.95	10.61	11.28	12.70	14.37
	181.34	7.77	1.26	School	6.71	7.11	7.45	7.61	7.77	7.93	8.09	8.43	8.83
20	176.62	9.08	5.25	Student	4.66	6.33	7.75	8.42	9.08	9.74	10.41	11.83	13.50
	184.11	7.65	1.26	School	6.59	6.99	7.33	7.49	7.65	7.81	7.97	8.31	8.71
25	179.16	8.75	5.25	Student	4.33	6.00	7.42	8.09	8.75	9.41	10.08	11.51	13.17
	185.16	7.61	1.26	School	6.54	6.94	7.29	7.45	7.61	7.76	7.93	8.27	8.67
30	181.44	8.46	5.25	Student	4.04	5.70	7.13	7.80	8.46	9.12	9.79	11.21	12.88
	186.11	7.57	1.26	School	6.50	6.90	7.25	7.41	7.57	7.72	7.89	8.23	8.63
35	183.55	8.18	5.25	Student	3.76	5.43	6.85	7.52	8.18	8.84	9.51	10.94	12.60
	186.98	7.53	1.26	School	6.47	6.87	7.21	7.37	7.53	7.69	7.85	8.19	8.59
40	185.56	7.92	5.25	Student	3.50	5.17	6.59	7.26	7.92	8.58	9.25	10.68	12.34
	187.81	7.49	1.26	School	6.43	6.83	7.17	7.33	7.49	7.65	7.81	8.16	8.56
45	187.50	7.67	5.25	Student	3.25	4.92	6.34	7.01	7.67	8.33	9.00	10.43	12.09
	188.62	7.46	1.26	School	6.40	6.80	7.14	7.30	7.46	7.62	7.78	8.12	8.52
48	188.65	7.52	5.25	Student	3.10	4.77	6.19	6.86	7.52	8.18	8.85	10.28	11.94
	189.09	7.44	1.26	School	6.38	6.78	7.12	7.28	7.44	7.60	7.76	8.10	8.50
50	189.41	7.42	5.25	Student	3.00	4.67	6.09	6.76	7.42	8.08	8.76	10.18	11.85
	189.41	7.42	1.26	School	6.36	6.76	7.10	7.27	7.42	7.58	7.74	8.09	8.49
52	190.17	7.33	5.25	Student	2.91	4.57	6.00	6.67	7.33	7.99	8.66	10.08	11.75
	189.72	7.41	1.26	School	6.35	6.75	7.09	7.25	7.41	7.57	7.73	8.07	8.47
55	191.32	7.18	5.25	Student	2.76	4.42	5.85	6.52	7.18	7.84	8.51	9.93	11.60
	190.20	7.39	1.26	School	6.33	6.73	7.07	7.23	7.39	7.55	7.71	8.05	8.45
60	193.26	6.93	5.25	Student	2.51	4.17	5.60	6.27	6.93	7.59	8.26	9.68	11.35
	191.00	7.36	1.26	School	6.29	6.69	7.04	7.20	7.36	7.52	7.68	8.02	8.42
65	195.27	6.67	5.25	Student	2.25	3.91	5.34	6.01	6.67	7.33	8.00	9.42	11.09
	191.83	7.32	1.26	School	6.26	6.66	7.00	7.16	7.32	7.48	7.64	7.98	8.38
70	197.38	6.39	5.25	Student	1.97	3.64	5.06	5.73	6.39	7.05	7.72	9.15	10.81
	192.71	7.28	1.26	School	6.22	6.62	6.96	7.13	7.28	7.44	7.60	7.95	8.35
75	199.66	6.10	5.25	Student	1.68	3.34	4.77	5.44	6.10	6.76	7.43	8.85	10.52
	193.65	7.24	1.26	School	6.18	6.58	6.92	7.08	7.24	7.40	7.56	7.91	8.31
80	202.20	5.77	5.25	Student	1.35	3.02	4.44	5.11	5.77	6.43	7.10	8.52	10.19
	194.71	7.20	1.26	School	6.14	6.54	6.88	7.04	7.20	7.36	7.52	7.86	8.26
85	205.16	5.39	5.25	Student	0.97	2.63	4.06	4.73	5.39	6.05	6.72	8.14	9.81
	195.93	7.15	1.26	School	6.08	6.48	6.83	6.99	7.15	7.30	7.47	7.81	8.21
90	208.89	4.90	5.25	Student	0.48	2.15	3.57	4.24	4.90	5.56	6.24	7.66	9.33
	197.48	7.08	1.26	School	6.02	6.42	6.76	6.92	7.08	7.24	7.40	7.74	8.14

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.12: Language Usage Grade 3 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	178.59	4.46	4.95	Student	0.29	1.86	3.20	3.83	4.46	5.08	5.71	7.05	8.62	
	188.94	3.15	0.97	School	2.33	2.64	2.90	3.03	3.15	3.27	3.39	3.66	3.96	
20	184.85	4.01	4.95	Student	-0.16	1.41	2.75	3.38	4.01	4.63	5.26	6.60	8.17	
	191.65	3.15	0.97	School	2.33	2.64	2.90	3.03	3.15	3.27	3.39	3.66	3.96	
25	187.23	3.84	4.95	Student	-0.33	1.24	2.58	3.21	3.84	4.46	5.09	6.43	8.00	
	192.68	3.15	0.97	School	2.33	2.64	2.90	3.03	3.15	3.27	3.39	3.66	3.96	
30	189.37	3.68	4.95	Student	-0.49	1.08	2.43	3.06	3.68	4.30	4.94	6.28	7.85	
	193.61	3.15	0.97	School	2.33	2.64	2.90	3.02	3.15	3.27	3.39	3.65	3.96	
35	191.35	3.54	4.95	Student	-0.63	0.94	2.28	2.92	3.54	4.16	4.79	6.14	7.71	
	194.46	3.15	0.97	School	2.33	2.64	2.90	3.02	3.15	3.27	3.39	3.65	3.96	
40	193.23	3.40	4.95	Student	-0.76	0.81	2.15	2.78	3.40	4.03	4.66	6.00	7.57	
	195.27	3.15	0.97	School	2.33	2.64	2.90	3.02	3.15	3.27	3.39	3.65	3.96	
45	195.05	3.27	4.95	Student	-0.89	0.68	2.02	2.65	3.27	3.90	4.53	5.87	7.44	
	196.06	3.15	0.97	School	2.33	2.64	2.90	3.02	3.15	3.27	3.39	3.65	3.96	
48	196.12	3.20	4.95	Student	-0.97	0.60	1.94	2.57	3.20	3.82	4.45	5.79	7.36	
	196.53	3.14	0.97	School	2.33	2.64	2.90	3.02	3.14	3.27	3.39	3.65	3.96	
50	196.83	3.14	4.95	Student	-1.02	0.55	1.89	2.52	3.14	3.77	4.40	5.74	7.31	
	196.83	3.14	0.97	School	2.33	2.64	2.90	3.02	3.14	3.27	3.39	3.65	3.96	
52	197.55	3.09	4.95	Student	-1.07	0.50	1.84	2.47	3.09	3.72	4.35	5.69	7.26	
	197.14	3.14	0.97	School	2.33	2.64	2.90	3.02	3.14	3.27	3.39	3.65	3.96	
55	198.62	3.02	4.95	Student	-1.15	0.42	1.76	2.39	3.02	3.64	4.27	5.61	7.18	
	197.61	3.14	0.97	School	2.33	2.64	2.90	3.02	3.14	3.27	3.39	3.65	3.96	
60	200.44	2.89	4.95	Student	-1.28	0.29	1.63	2.26	2.89	3.51	4.14	5.48	7.05	
	198.39	3.14	0.97	School	2.33	2.64	2.90	3.02	3.14	3.27	3.39	3.65	3.96	
65	202.32	2.75	4.95	Student	-1.42	0.15	1.50	2.13	2.75	3.37	4.00	5.35	6.92	
	199.21	3.14	0.97	School	2.33	2.64	2.90	3.02	3.14	3.27	3.39	3.65	3.96	
70	204.30	2.61	4.95	Student	-1.56	0.01	1.35	1.99	2.61	3.23	3.86	5.20	6.78	
	200.06	3.14	0.97	School	2.33	2.63	2.90	3.02	3.14	3.26	3.39	3.65	3.96	
75	206.44	2.45	4.95	Student	-1.71	-0.14	1.20	1.83	2.45	3.08	3.71	5.05	6.62	
	200.99	3.14	0.97	School	2.33	2.63	2.90	3.02	3.14	3.26	3.39	3.65	3.96	
80	208.81	2.28	4.95	Student	-1.88	-0.31	1.03	1.66	2.28	2.91	3.54	4.88	6.45	
	202.02	3.14	0.97	School	2.33	2.63	2.90	3.02	3.14	3.26	3.39	3.65	3.96	
85	211.59	2.08	4.95	Student	-2.08	-0.51	0.83	1.46	2.08	2.71	3.34	4.68	6.25	
	203.21	3.14	0.97	School	2.33	2.63	2.90	3.02	3.14	3.26	3.39	3.65	3.96	
90	215.08	1.83	4.95	Student	-2.34	-0.76	0.58	1.21	1.83	2.45	3.09	4.43	6.00	
	204.72	3.14	0.97	School	2.33	2.63	2.90	3.02	3.14	3.26	3.39	3.65	3.96	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.13: Language Usage Grade 4 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	177.40	10.71 5.42	Student	6.15	7.87	9.34	10.03	10.71	11.39	12.08	13.55	15.27	
	188.58	8.49 1.43	School	7.28	7.74	8.13	8.31	8.49	8.67	8.85	9.24	9.69	
20	183.97	9.73 5.42	Student	5.17	6.89	8.36	9.05	9.73	10.42	11.11	12.58	14.29	
	191.31	8.28 1.43	School	7.07	7.53	7.91	8.10	8.28	8.45	8.64	9.03	9.48	
25	186.46	9.36 5.42	Student	4.80	6.52	7.99	8.68	9.36	10.04	10.74	12.21	13.92	
	192.35	8.19 1.43	School	6.99	7.44	7.83	8.01	8.19	8.37	8.56	8.94	9.40	
30	188.71	9.03 5.42	Student	4.47	6.19	7.66	8.35	9.03	9.71	10.40	11.87	13.59	
	193.28	8.12 1.43	School	6.92	7.37	7.76	7.94	8.12	8.30	8.48	8.87	9.33	
35	190.78	8.72 5.42	Student	4.16	5.88	7.35	8.04	8.72	9.40	10.10	11.56	13.28	
	194.15	8.05 1.43	School	6.85	7.30	7.69	7.87	8.05	8.23	8.42	8.80	9.26	
40	192.76	8.43 5.42	Student	3.87	5.59	7.06	7.75	8.43	9.11	9.80	11.27	12.99	
	194.97	7.99 1.43	School	6.79	7.24	7.63	7.81	7.99	8.17	8.35	8.74	9.19	
45	194.66	8.15 5.42	Student	3.59	5.31	6.77	7.47	8.15	8.83	9.52	10.99	12.71	
	195.76	7.93 1.43	School	6.73	7.18	7.57	7.75	7.93	8.11	8.29	8.68	9.13	
48	195.79	7.98 5.42	Student	3.42	5.14	6.61	7.30	7.98	8.66	9.35	10.82	12.54	
	196.23	7.89 1.43	School	6.69	7.14	7.53	7.71	7.89	8.07	8.25	8.64	9.10	
50	196.54	7.87 5.42	Student	3.31	5.03	6.50	7.19	7.87	8.55	9.24	10.71	12.43	
	196.54	7.87 1.43	School	6.66	7.12	7.51	7.69	7.87	8.05	8.23	8.62	9.07	
52	197.29	7.76 5.42	Student	3.20	4.92	6.38	7.08	7.76	8.44	9.13	10.60	12.32	
	196.85	7.84 1.43	School	6.64	7.09	7.48	7.66	7.84	8.02	8.21	8.59	9.05	
55	198.42	7.59 5.42	Student	3.03	4.75	6.22	6.91	7.59	8.27	8.96	10.43	12.15	
	197.32	7.81 1.43	School	6.60	7.06	7.45	7.63	7.81	7.99	8.17	8.56	9.01	
60	200.33	7.31 5.42	Student	2.75	4.47	5.93	6.63	7.31	7.99	8.68	10.15	11.87	
	198.12	7.75 1.43	School	6.54	7.00	7.38	7.57	7.75	7.93	8.11	8.50	8.95	
65	202.30	7.01 5.42	Student	2.45	4.17	5.64	6.33	7.01	7.69	8.39	9.86	11.57	
	198.94	7.68 1.43	School	6.48	6.93	7.32	7.50	7.68	7.86	8.04	8.43	8.89	
70	204.38	6.71 5.42	Student	2.15	3.86	5.33	6.02	6.71	7.39	8.08	9.55	11.27	
	199.80	7.61 1.43	School	6.41	6.86	7.25	7.44	7.61	7.79	7.98	8.36	8.82	
75	206.62	6.37 5.42	Student	1.81	3.53	5.00	5.69	6.37	7.05	7.75	9.21	10.93	
	200.73	7.54 1.43	School	6.34	6.79	7.18	7.36	7.54	7.72	7.90	8.29	8.75	
80	209.11	6.00 5.42	Student	1.44	3.16	4.63	5.32	6.00	6.68	7.37	8.84	10.56	
	201.77	7.46 1.43	School	6.26	6.71	7.10	7.28	7.46	7.64	7.82	8.21	8.67	
85	212.02	5.57 5.42	Student	1.01	2.73	4.20	4.89	5.57	6.25	6.94	8.41	10.13	
	202.98	7.37 1.43	School	6.16	6.62	7.01	7.19	7.37	7.55	7.73	8.12	8.57	
90	215.69	5.03 5.42	Student	0.47	2.19	3.65	4.35	5.03	5.71	6.40	7.87	9.59	
	204.50	7.25 1.43	School	6.05	6.50	6.89	7.07	7.25	7.43	7.61	8.00	8.45	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.14: Language Usage Grade 4 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	180.59	10.38	5.97	Student	5.36	7.25	8.87	9.63	10.38	11.13	11.89	13.51	15.41
	191.72	7.76	1.84	School	6.21	6.80	7.30	7.53	7.76	7.99	8.23	8.73	9.31
20	187.20	9.17	5.97	Student	4.15	6.04	7.66	8.42	9.17	9.92	10.69	12.30	14.20
	194.50	7.45	1.84	School	5.90	6.49	6.99	7.22	7.45	7.68	7.92	8.42	9.00
25	189.71	8.71	5.97	Student	3.69	5.58	7.20	7.96	8.71	9.46	10.23	11.84	13.74
	195.56	7.33	1.84	School	5.79	6.37	6.87	7.10	7.33	7.57	7.80	8.30	8.88
30	191.96	8.30	5.97	Student	3.28	5.17	6.79	7.55	8.30	9.05	9.81	11.43	13.33
	196.51	7.23	1.84	School	5.68	6.26	6.76	7.00	7.23	7.46	7.70	8.19	8.78
35	194.05	7.92	5.97	Student	2.89	4.79	6.41	7.17	7.92	8.67	9.43	11.05	12.94
	197.39	7.13	1.84	School	5.58	6.17	6.66	6.90	7.13	7.36	7.60	8.10	8.68
40	196.03	7.56	5.97	Student	2.53	4.42	6.04	6.80	7.56	8.31	9.07	10.69	12.58
	198.23	7.04	1.84	School	5.49	6.07	6.57	6.81	7.04	7.27	7.50	8.00	8.59
45	197.95	7.20	5.97	Student	2.18	4.07	5.69	6.45	7.20	7.95	8.72	10.34	12.23
	199.04	6.95	1.84	School	5.40	5.98	6.48	6.72	6.95	7.18	7.41	7.91	8.50
48	199.08	7.00	5.97	Student	1.97	3.87	5.48	6.25	7.00	7.75	8.51	10.13	12.02
	199.52	6.89	1.84	School	5.35	5.93	6.43	6.66	6.89	7.13	7.36	7.86	8.44
50	199.83	6.86	5.97	Student	1.83	3.73	5.35	6.11	6.86	7.61	8.37	9.99	11.88
	199.83	6.86	1.84	School	5.31	5.89	6.39	6.63	6.86	7.09	7.32	7.82	8.41
52	200.59	6.72	5.97	Student	1.70	3.59	5.21	5.97	6.72	7.47	8.23	9.85	11.75
	200.15	6.82	1.84	School	5.27	5.86	6.36	6.59	6.82	7.05	7.29	7.79	8.37
55	201.72	6.51	5.97	Student	1.49	3.38	5.00	5.76	6.51	7.26	8.03	9.64	11.54
	200.63	6.77	1.84	School	5.22	5.80	6.30	6.54	6.77	7.00	7.24	7.74	8.32
60	203.64	6.16	5.97	Student	1.14	3.03	4.65	5.41	6.16	6.91	7.67	9.29	11.19
	201.44	6.68	1.84	School	5.13	5.71	6.21	6.45	6.68	6.91	7.15	7.64	8.23
65	205.62	5.80	5.97	Student	0.77	2.67	4.29	5.05	5.80	6.55	7.31	8.93	10.82
	202.27	6.59	1.84	School	5.04	5.62	6.12	6.36	6.59	6.82	7.05	7.55	8.14
70	207.71	5.42	5.97	Student	0.39	2.29	3.90	4.67	5.42	6.17	6.93	8.55	10.44
	203.16	6.49	1.84	School	4.94	5.52	6.02	6.26	6.49	6.72	6.95	7.45	8.04
75	209.96	5.00	5.97	Student	-0.02	1.87	3.49	4.25	5.00	5.75	6.52	8.14	10.03
	204.11	6.38	1.84	School	4.83	5.42	5.92	6.15	6.38	6.61	6.85	7.35	7.93
80	212.47	4.54	5.97	Student	-0.48	1.41	3.03	3.79	4.54	5.29	6.06	7.68	9.57
	205.16	6.26	1.84	School	4.72	5.30	5.80	6.03	6.26	6.50	6.73	7.23	7.81
85	215.40	4.01	5.97	Student	-1.02	0.88	2.50	3.26	4.01	4.76	5.52	7.14	9.03
	206.40	6.13	1.84	School	4.58	5.16	5.66	5.90	6.13	6.36	6.59	7.09	7.68
90	219.08	3.34	5.97	Student	-1.69	0.20	1.82	2.58	3.34	4.09	4.85	6.47	8.36
	207.95	5.95	1.84	School	4.40	4.99	5.49	5.72	5.95	6.19	6.42	6.92	7.50

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.15: Language Usage Grade 4 From Fall To N Fall Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	180.04	8.91	6.56	Student	3.38	5.46	7.24	8.08	8.91	9.73	10.57	12.35	14.43	
	191.09	7.32	1.62	School	5.96	6.47	6.91	7.12	7.32	7.52	7.73	8.17	8.68	
20	186.49	8.27	6.56	Student	2.75	4.83	6.61	7.45	8.27	9.10	9.93	11.71	13.79	
	193.75	7.23	1.62	School	5.87	6.38	6.82	7.03	7.23	7.43	7.64	8.08	8.59	
25	188.94	8.03	6.56	Student	2.50	4.59	6.37	7.20	8.03	8.85	9.69	11.47	13.55	
	194.76	7.19	1.62	School	5.83	6.35	6.79	6.99	7.19	7.40	7.60	8.04	8.56	
30	191.14	7.81	6.56	Student	2.29	4.37	6.15	6.99	7.81	8.64	9.47	11.25	13.34	
	195.66	7.16	1.62	School	5.80	6.32	6.75	6.96	7.16	7.37	7.57	8.01	8.52	
35	193.18	7.61	6.56	Student	2.09	4.17	5.95	6.79	7.61	8.44	9.27	11.05	13.14	
	196.50	7.13	1.62	School	5.77	6.29	6.72	6.93	7.13	7.34	7.54	7.98	8.49	
40	195.12	7.42	6.56	Student	1.90	3.98	5.76	6.60	7.42	8.24	9.08	10.86	12.94	
	197.30	7.11	1.62	School	5.75	6.26	6.70	6.90	7.11	7.31	7.52	7.95	8.47	
45	196.99	7.24	6.56	Student	1.71	3.79	5.57	6.41	7.24	8.06	8.90	10.68	12.76	
	198.07	7.08	1.62	School	5.72	6.23	6.67	6.88	7.08	7.28	7.49	7.93	8.44	
48	198.09	7.13	6.56	Student	1.60	3.68	5.46	6.30	7.13	7.95	8.79	10.57	12.65	
	198.53	7.06	1.62	School	5.70	6.22	6.65	6.86	7.06	7.27	7.47	7.91	8.43	
50	198.83	7.05	6.56	Student	1.53	3.61	5.39	6.23	7.05	7.88	8.72	10.50	12.58	
	198.83	7.05	1.62	School	5.69	6.21	6.64	6.85	7.05	7.26	7.46	7.90	8.41	
52	199.56	6.98	6.56	Student	1.46	3.54	5.32	6.16	6.98	7.81	8.64	10.42	12.51	
	199.13	7.04	1.62	School	5.68	6.20	6.63	6.84	7.04	7.25	7.45	7.89	8.40	
55	200.67	6.87	6.56	Student	1.35	3.43	5.21	6.05	6.87	7.70	8.54	10.31	12.40	
	199.59	7.03	1.62	School	5.67	6.18	6.62	6.82	7.03	7.23	7.44	7.88	8.39	
60	202.54	6.69	6.56	Student	1.16	3.25	5.02	5.86	6.69	7.51	8.35	10.13	12.21	
	200.36	7.00	1.62	School	5.64	6.15	6.59	6.80	7.00	7.20	7.41	7.85	8.36	
65	204.48	6.50	6.56	Student	0.97	3.05	4.83	5.67	6.50	7.32	8.16	9.94	12.02	
	201.16	6.97	1.62	School	5.61	6.13	6.56	6.77	6.97	7.18	7.38	7.82	8.33	
70	206.52	6.30	6.56	Student	0.77	2.85	4.63	5.47	6.30	7.12	7.96	9.74	11.82	
	202.00	6.94	1.62	School	5.58	6.10	6.53	6.74	6.94	7.15	7.35	7.79	8.31	
75	208.72	6.08	6.56	Student	0.55	2.64	4.42	5.25	6.08	6.90	7.74	9.52	11.60	
	202.90	6.91	1.62	School	5.55	6.07	6.50	6.71	6.91	7.12	7.32	7.76	8.27	
80	211.17	5.84	6.56	Student	0.31	2.40	4.17	5.01	5.84	6.66	7.50	9.28	11.36	
	203.91	6.88	1.62	School	5.52	6.03	6.47	6.68	6.88	7.08	7.29	7.73	8.24	
85	214.02	5.56	6.56	Student	0.03	2.11	3.89	4.73	5.56	6.38	7.22	9.00	11.08	
	205.09	6.84	1.62	School	5.48	5.99	6.43	6.63	6.84	7.04	7.25	7.69	8.20	
90	217.61	5.20	6.56	Student	-0.32	1.76	3.54	4.38	5.20	6.03	6.86	8.64	10.73	
	206.57	6.79	1.62	School	5.43	5.94	6.38	6.58	6.79	6.99	7.20	7.63	8.15	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.16: Language Usage Grade 4 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	180.04	11.20	6.39	Student	5.82	7.85	9.58	10.40	11.20	12.00	12.82	14.55	16.58
	191.09	8.35	1.75	School	6.88	7.44	7.91	8.13	8.35	8.57	8.80	9.27	9.82
20	186.49	10.05	6.39	Student	4.68	6.70	8.44	9.25	10.05	10.86	11.67	13.41	15.43
	193.75	8.18	1.75	School	6.71	7.27	7.74	7.97	8.18	8.40	8.63	9.10	9.66
25	188.94	9.62	6.39	Student	4.24	6.27	8.00	8.82	9.62	10.42	11.24	12.97	15.00
	194.76	8.12	1.75	School	6.65	7.20	7.68	7.90	8.12	8.34	8.56	9.04	9.59
30	191.14	9.23	6.39	Student	3.85	5.88	7.61	8.43	9.23	10.03	10.85	12.58	14.61
	195.66	8.06	1.75	School	6.59	7.15	7.62	7.84	8.06	8.28	8.51	8.98	9.53
35	193.18	8.87	6.39	Student	3.49	5.52	7.25	8.06	8.87	9.67	10.49	12.22	14.25
	196.50	8.01	1.75	School	6.54	7.09	7.57	7.79	8.01	8.23	8.45	8.93	9.48
40	195.12	8.52	6.39	Student	3.14	5.17	6.90	7.72	8.52	9.33	10.14	11.87	13.90
	197.30	7.96	1.75	School	6.49	7.04	7.52	7.74	7.96	8.18	8.40	8.88	9.43
45	196.99	8.19	6.39	Student	2.81	4.84	6.57	7.39	8.19	8.99	9.81	11.54	13.57
	198.07	7.91	1.75	School	6.44	6.99	7.47	7.69	7.91	8.13	8.35	8.83	9.38
48	198.09	7.99	6.39	Student	2.62	4.64	6.37	7.19	7.99	8.80	9.61	11.35	13.37
	198.53	7.88	1.75	School	6.41	6.97	7.44	7.66	7.88	8.10	8.33	8.80	9.35
50	198.83	7.86	6.39	Student	2.49	4.51	6.24	7.06	7.86	8.67	9.48	11.21	13.24
	198.83	7.86	1.75	School	6.39	6.95	7.42	7.64	7.86	8.08	8.31	8.78	9.33
52	199.56	7.73	6.39	Student	2.35	4.38	6.11	6.93	7.73	8.54	9.35	11.08	13.11
	199.13	7.84	1.75	School	6.37	6.93	7.40	7.62	7.84	8.06	8.29	8.76	9.32
55	200.67	7.54	6.39	Student	2.16	4.19	5.92	6.73	7.54	8.34	9.16	10.89	12.91
	199.59	7.82	1.75	School	6.34	6.90	7.37	7.60	7.82	8.04	8.26	8.73	9.29
60	202.54	7.20	6.39	Student	1.83	3.85	5.58	6.40	7.20	8.01	8.82	10.55	12.58
	200.36	7.77	1.75	School	6.30	6.85	7.32	7.55	7.77	7.99	8.21	8.68	9.24
65	204.48	6.86	6.39	Student	1.48	3.51	5.24	6.06	6.86	7.66	8.48	10.21	12.24
	201.16	7.72	1.75	School	6.24	6.80	7.27	7.50	7.72	7.94	8.16	8.63	9.19
70	206.52	6.50	6.39	Student	1.12	3.15	4.88	5.69	6.50	7.30	8.12	9.85	11.88
	202.00	7.66	1.75	School	6.19	6.75	7.22	7.44	7.66	7.88	8.11	8.58	9.13
75	208.72	6.11	6.39	Student	0.73	2.76	4.49	5.30	6.11	6.91	7.73	9.46	11.49
	202.90	7.61	1.75	School	6.13	6.69	7.16	7.39	7.61	7.83	8.05	8.52	9.08
80	211.17	5.67	6.39	Student	0.29	2.32	4.05	4.87	5.67	6.47	7.29	9.02	11.05
	203.91	7.54	1.75	School	6.07	6.63	7.10	7.32	7.54	7.76	7.98	8.46	9.01
85	214.02	5.16	6.39	Student	-0.21	1.81	3.55	4.36	5.16	5.97	6.78	8.52	10.54
	205.09	7.47	1.75	School	6.00	6.55	7.02	7.25	7.47	7.69	7.91	8.38	8.94
90	217.61	4.53	6.39	Student	-0.85	1.18	2.91	3.72	4.53	5.33	6.15	7.88	9.90
	206.57	7.37	1.75	School	5.90	6.46	6.93	7.15	7.37	7.59	7.82	8.29	8.85

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.17: Language Usage Grade 4 From Fall To Winter Conditional Growth Percentile

Start Status	Growth	Conditional Growth											
		CGP	20	30	40	45	50	55	60	70	80		
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	180.04	7.82	4.96	Student	3.65	5.22	6.57	7.20	7.82	8.45	9.08	10.43	12.00
	191.09	5.86	1.00	School	5.02	5.34	5.61	5.73	5.86	5.99	6.11	6.38	6.70
20	186.49	7.05	4.96	Student	2.88	4.45	5.80	6.43	7.05	7.68	8.31	9.66	11.23
	193.75	5.76	1.00	School	4.92	5.24	5.51	5.64	5.76	5.89	6.02	6.29	6.61
25	188.94	6.76	4.96	Student	2.59	4.16	5.50	6.14	6.76	7.38	8.02	9.36	10.94
	194.76	5.73	1.00	School	4.89	5.20	5.47	5.60	5.73	5.85	5.98	6.25	6.57
30	191.14	6.50	4.96	Student	2.32	3.90	5.24	5.88	6.50	7.12	7.76	9.10	10.67
	195.66	5.69	1.00	School	4.85	5.17	5.44	5.57	5.69	5.82	5.95	6.22	6.54
35	193.18	6.25	4.96	Student	2.08	3.65	5.00	5.63	6.25	6.88	7.51	8.86	10.43
	196.50	5.66	1.00	School	4.82	5.14	5.41	5.54	5.66	5.79	5.92	6.19	6.51
40	195.12	6.02	4.96	Student	1.85	3.42	4.77	5.40	6.02	6.65	7.28	8.63	10.20
	197.30	5.64	1.00	School	4.79	5.11	5.38	5.51	5.64	5.76	5.89	6.16	6.48
45	196.99	5.80	4.96	Student	1.63	3.20	4.54	5.18	5.80	6.42	7.06	8.40	9.97
	198.07	5.61	1.00	School	4.77	5.08	5.35	5.48	5.61	5.73	5.86	6.13	6.45
48	198.09	5.67	4.96	Student	1.49	3.07	4.41	5.04	5.67	6.29	6.92	8.27	9.84
	198.53	5.59	1.00	School	4.75	5.07	5.34	5.47	5.59	5.72	5.84	6.12	6.43
50	198.83	5.58	4.96	Student	1.41	2.98	4.32	4.96	5.58	6.20	6.84	8.18	9.75
	198.83	5.58	1.00	School	4.74	5.06	5.33	5.45	5.58	5.71	5.83	6.10	6.42
52	199.56	5.49	4.96	Student	1.32	2.89	4.24	4.87	5.49	6.12	6.75	8.09	9.67
	199.13	5.57	1.00	School	4.73	5.04	5.32	5.44	5.57	5.69	5.82	6.09	6.41
55	200.67	5.36	4.96	Student	1.19	2.76	4.10	4.74	5.36	5.98	6.62	7.96	9.53
	199.59	5.55	1.00	School	4.71	5.03	5.30	5.43	5.55	5.68	5.81	6.08	6.39
60	202.54	5.14	4.96	Student	0.96	2.54	3.88	4.51	5.14	5.76	6.39	7.74	9.31
	200.36	5.52	1.00	School	4.68	5.00	5.27	5.40	5.52	5.65	5.78	6.05	6.37
65	204.48	4.91	4.96	Student	0.73	2.30	3.65	4.28	4.91	5.53	6.16	7.51	9.08
	201.16	5.50	1.00	School	4.65	4.97	5.24	5.37	5.50	5.62	5.75	6.02	6.34
70	206.52	4.66	4.96	Student	0.49	2.06	3.41	4.04	4.66	5.29	5.92	7.26	8.84
	202.00	5.47	1.00	School	4.62	4.94	5.21	5.34	5.47	5.59	5.72	5.99	6.31
75	208.72	4.40	4.96	Student	0.22	1.80	3.14	3.78	4.40	5.02	5.66	7.00	8.57
	202.90	5.43	1.00	School	4.59	4.91	5.18	5.31	5.43	5.56	5.69	5.96	6.27
80	211.17	4.11	4.96	Student	-0.07	1.51	2.85	3.48	4.11	4.73	5.36	6.71	8.28
	203.91	5.40	1.00	School	4.56	4.87	5.14	5.27	5.40	5.52	5.65	5.92	6.24
85	214.02	3.77	4.96	Student	-0.41	1.16	2.51	3.14	3.77	4.39	5.02	6.37	7.94
	205.09	5.35	1.00	School	4.51	4.83	5.10	5.23	5.35	5.48	5.61	5.88	6.19
90	217.61	3.34	4.96	Student	-0.84	0.73	2.08	2.71	3.34	3.96	4.59	5.94	7.51
	206.57	5.30	1.00	School	4.46	4.78	5.05	5.17	5.30	5.43	5.55	5.82	6.14

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.18: Language Usage Grade 4 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	186.69	3.60	4.73	Student	-0.38	1.12	2.41	3.01	3.60	4.20	4.80	6.08	7.59	
	196.84	2.33	0.77	School	1.68	1.93	2.13	2.23	2.33	2.42	2.52	2.73	2.97	
20	192.77	3.15	4.73	Student	-0.83	0.67	1.95	2.56	3.15	3.74	4.35	5.63	7.13	
	199.44	2.31	0.77	School	1.67	1.91	2.12	2.22	2.31	2.41	2.51	2.71	2.96	
25	195.08	2.98	4.73	Student	-1.00	0.50	1.78	2.38	2.98	3.57	4.18	5.46	6.96	
	200.43	2.31	0.77	School	1.66	1.90	2.11	2.21	2.31	2.40	2.50	2.71	2.95	
30	197.16	2.82	4.73	Student	-1.16	0.34	1.63	2.23	2.82	3.42	4.02	5.30	6.81	
	201.31	2.30	0.77	School	1.66	1.90	2.11	2.21	2.30	2.40	2.50	2.70	2.95	
35	199.08	2.68	4.73	Student	-1.30	0.20	1.48	2.09	2.68	3.27	3.88	5.16	6.66	
	202.13	2.30	0.77	School	1.65	1.89	2.10	2.20	2.30	2.39	2.49	2.70	2.94	
40	200.91	2.54	4.73	Student	-1.44	0.06	1.35	1.95	2.54	3.14	3.74	5.03	6.53	
	202.91	2.29	0.77	School	1.65	1.89	2.10	2.20	2.29	2.39	2.49	2.69	2.94	
45	202.67	2.41	4.73	Student	-1.57	-0.07	1.21	1.82	2.41	3.01	3.61	4.89	6.39	
	203.67	2.29	0.77	School	1.64	1.89	2.09	2.19	2.29	2.38	2.48	2.69	2.93	
48	203.72	2.33	4.73	Student	-1.65	-0.15	1.14	1.74	2.33	2.93	3.53	4.82	6.32	
	204.11	2.29	0.77	School	1.64	1.88	2.09	2.19	2.29	2.38	2.48	2.69	2.93	
50	204.41	2.28	4.73	Student	-1.70	-0.20	1.08	1.69	2.28	2.88	3.48	4.76	6.26	
	204.41	2.28	0.77	School	1.64	1.88	2.09	2.19	2.28	2.38	2.48	2.69	2.93	
52	205.10	2.23	4.73	Student	-1.75	-0.25	1.03	1.64	2.23	2.83	3.43	4.71	6.21	
	204.71	2.28	0.77	School	1.64	1.88	2.09	2.19	2.28	2.38	2.48	2.68	2.93	
55	206.15	2.15	4.73	Student	-1.83	-0.33	0.96	1.56	2.15	2.75	3.35	4.63	6.14	
	205.15	2.28	0.77	School	1.63	1.88	2.08	2.18	2.28	2.38	2.47	2.68	2.92	
60	207.91	2.02	4.73	Student	-1.96	-0.46	0.82	1.43	2.02	2.62	3.22	4.50	6.00	
	205.91	2.27	0.77	School	1.63	1.87	2.08	2.18	2.27	2.37	2.47	2.68	2.92	
65	209.74	1.89	4.73	Student	-2.10	-0.59	0.69	1.29	1.89	2.48	3.08	4.37	5.87	
	206.69	2.27	0.77	School	1.62	1.87	2.08	2.17	2.27	2.37	2.46	2.67	2.92	
70	211.66	1.74	4.73	Student	-2.24	-0.74	0.54	1.15	1.74	2.34	2.94	4.22	5.72	
	207.51	2.27	0.77	School	1.62	1.86	2.07	2.17	2.27	2.36	2.46	2.67	2.91	
75	213.74	1.59	4.73	Student	-2.39	-0.89	0.39	0.99	1.59	2.18	2.79	4.07	5.57	
	208.39	2.26	0.77	School	1.61	1.86	2.07	2.16	2.26	2.36	2.45	2.66	2.91	
80	216.05	1.42	4.73	Student	-2.57	-1.06	0.22	0.82	1.42	2.01	2.61	3.90	5.40	
	209.38	2.25	0.77	School	1.61	1.85	2.06	2.16	2.25	2.35	2.45	2.66	2.90	
85	218.74	1.22	4.73	Student	-2.77	-1.27	0.02	0.62	1.22	1.81	2.41	3.70	5.20	
	210.53	2.25	0.77	School	1.60	1.85	2.05	2.15	2.25	2.34	2.44	2.65	2.89	
90	222.13	0.96	4.73	Student	-3.02	-1.52	-0.24	0.37	0.96	1.56	2.16	3.44	4.94	
	211.98	2.24	0.77	School	1.59	1.84	2.04	2.14	2.24	2.34	2.43	2.64	2.88	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.19: Language Usage Grade 5 From Last Winter To Winter Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean		SD	CGI	20	30	40	45	50	55	60	70
10	185.83	8.56	5.68	Student	3.78	5.58	7.12	7.85	8.56	9.28	10.00	11.54	13.35	
	196.53	6.35	1.60	School	5.01	5.51	5.95	6.15	6.35	6.55	6.76	7.19	7.70	
20	192.07	7.58	5.68	Student	2.79	4.60	6.14	6.86	7.58	8.29	9.02	10.56	12.36	
	199.10	6.12	1.60	School	4.78	5.29	5.72	5.92	6.12	6.33	6.53	6.96	7.47	
25	194.44	7.20	5.68	Student	2.42	4.22	5.76	6.49	7.20	7.92	8.64	10.18	11.99	
	200.08	6.04	1.60	School	4.69	5.20	5.63	5.84	6.04	6.24	6.44	6.88	7.38	
30	196.57	6.87	5.68	Student	2.08	3.89	5.43	6.15	6.87	7.58	8.31	9.85	11.65	
	200.95	5.96	1.60	School	4.62	5.12	5.56	5.76	5.96	6.16	6.37	6.80	7.31	
35	198.55	6.55	5.68	Student	1.77	3.57	5.11	5.84	6.55	7.27	7.99	9.54	11.34	
	201.76	5.89	1.60	School	4.55	5.05	5.48	5.69	5.89	6.09	6.29	6.73	7.23	
40	200.42	6.26	5.68	Student	1.47	3.28	4.82	5.54	6.26	6.97	7.70	9.24	11.04	
	202.53	5.82	1.60	School	4.48	4.98	5.42	5.62	5.82	6.02	6.23	6.66	7.17	
45	202.23	5.97	5.68	Student	1.19	2.99	4.53	5.26	5.97	6.69	7.41	8.95	10.76	
	203.28	5.76	1.60	School	4.41	4.92	5.35	5.55	5.76	5.96	6.16	6.59	7.10	
48	203.30	5.80	5.68	Student	1.02	2.82	4.36	5.09	5.80	6.52	7.24	8.78	10.59	
	203.72	5.72	1.60	School	4.37	4.88	5.31	5.52	5.72	5.92	6.12	6.55	7.06	
50	204.01	5.69	5.68	Student	0.91	2.71	4.25	4.98	5.69	6.41	7.13	8.67	10.47	
	204.01	5.69	1.60	School	4.35	4.85	5.29	5.49	5.69	5.89	6.10	6.53	7.03	
52	204.72	5.58	5.68	Student	0.79	2.60	4.14	4.86	5.58	6.29	7.02	8.56	10.36	
	204.30	5.66	1.60	School	4.32	4.83	5.26	5.46	5.66	5.87	6.07	6.50	7.01	
55	205.79	5.41	5.68	Student	0.62	2.43	3.97	4.69	5.41	6.12	6.85	8.39	10.19	
	204.75	5.63	1.60	School	4.28	4.79	5.22	5.43	5.63	5.83	6.03	6.46	6.97	
60	207.61	5.12	5.68	Student	0.34	2.14	3.68	4.41	5.12	5.84	6.56	8.10	9.91	
	205.49	5.56	1.60	School	4.22	4.72	5.16	5.36	5.56	5.76	5.96	6.40	6.90	
65	209.48	4.83	5.68	Student	0.04	1.85	3.39	4.11	4.83	5.54	6.27	7.81	9.61	
	206.26	5.49	1.60	School	4.15	4.65	5.09	5.29	5.49	5.69	5.90	6.33	6.84	
70	211.45	4.52	5.68	Student	-0.27	1.53	3.07	3.80	4.52	5.23	5.96	7.50	9.30	
	207.07	5.42	1.60	School	4.08	4.58	5.02	5.22	5.42	5.62	5.83	6.26	6.76	
75	213.58	4.18	5.68	Student	-0.61	1.20	2.74	3.46	4.18	4.89	5.62	7.16	8.96	
	207.95	5.34	1.60	School	4.00	4.51	4.94	5.14	5.34	5.54	5.75	6.18	6.69	
80	215.95	3.80	5.68	Student	-0.98	0.82	2.36	3.09	3.80	4.52	5.24	6.78	8.59	
	208.92	5.26	1.60	School	3.91	4.42	4.85	5.06	5.26	5.46	5.66	6.09	6.60	
85	218.71	3.37	5.68	Student	-1.42	0.39	1.93	2.65	3.37	4.08	4.81	6.35	8.15	
	210.06	5.16	1.60	School	3.81	4.32	4.75	4.96	5.16	5.36	5.56	5.99	6.50	
90	222.19	2.82	5.68	Student	-1.97	-0.16	1.38	2.10	2.82	3.53	4.26	5.80	7.60	
	211.49	5.03	1.60	School	3.69	4.19	4.63	4.83	5.03	5.23	5.43	5.87	6.37	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.20: Language Usage Grade 5 From Last Spring To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean		SD	CGI	20	30	40	45	50	55	60	70
10	188.04	8.49	6.18	Student	3.29	5.25	6.93	7.72	8.49	9.27	10.06	11.73	13.69	
	198.71	5.97	1.92	School	4.35	4.96	5.49	5.73	5.97	6.22	6.46	6.98	7.59	
20	194.35	7.31	6.18	Student	2.11	4.07	5.74	6.53	7.31	8.09	8.88	10.55	12.51	
	201.35	5.66	1.92	School	4.04	4.65	5.17	5.41	5.66	5.90	6.14	6.66	7.28	
25	196.75	6.86	6.18	Student	1.66	3.62	5.29	6.08	6.86	7.64	8.43	10.10	12.06	
	202.36	5.53	1.92	School	3.91	4.53	5.05	5.29	5.53	5.78	6.02	6.54	7.15	
30	198.90	6.46	6.18	Student	1.26	3.22	4.89	5.68	6.46	7.23	8.02	9.70	11.66	
	203.26	5.43	1.92	School	3.81	4.42	4.94	5.18	5.43	5.67	5.91	6.44	7.05	
35	200.89	6.08	6.18	Student	0.88	2.84	4.52	5.31	6.08	6.86	7.65	9.32	11.29	
	204.10	5.33	1.92	School	3.71	4.32	4.84	5.08	5.33	5.57	5.81	6.34	6.95	
40	202.79	5.73	6.18	Student	0.53	2.49	4.16	4.95	5.73	6.51	7.29	8.97	10.93	
	204.89	5.23	1.92	School	3.61	4.22	4.74	4.99	5.23	5.47	5.72	6.24	6.85	
45	204.62	5.39	6.18	Student	0.18	2.14	3.82	4.61	5.39	6.16	6.95	8.63	10.59	
	205.66	5.14	1.92	School	3.52	4.13	4.65	4.90	5.14	5.38	5.63	6.15	6.76	
48	205.70	5.18	6.18	Student	-0.02	1.94	3.62	4.41	5.18	5.96	6.75	8.42	10.38	
	206.12	5.08	1.92	School	3.46	4.07	4.60	4.84	5.08	5.33	5.57	6.09	6.70	
50	206.42	5.05	6.18	Student	-0.15	1.81	3.48	4.27	5.05	5.82	6.61	8.29	10.25	
	206.42	5.05	1.92	School	3.43	4.04	4.56	4.81	5.05	5.29	5.53	6.06	6.67	
52	207.14	4.91	6.18	Student	-0.29	1.67	3.35	4.14	4.91	5.69	6.48	8.15	10.11	
	206.72	5.01	1.92	School	3.39	4.00	4.52	4.77	5.01	5.25	5.50	6.02	6.63	
55	208.22	4.71	6.18	Student	-0.49	1.47	3.14	3.93	4.71	5.49	6.28	7.95	9.91	
	207.17	4.96	1.92	School	3.34	3.95	4.47	4.71	4.96	5.20	5.44	5.97	6.58	
60	210.05	4.37	6.18	Student	-0.84	1.12	2.80	3.59	4.37	5.14	5.93	7.61	9.57	
	207.94	4.86	1.92	School	3.24	3.85	4.38	4.62	4.86	5.11	5.35	5.87	6.48	
65	211.94	4.01	6.18	Student	-1.19	0.77	2.45	3.23	4.01	4.79	5.58	7.25	9.21	
	208.74	4.77	1.92	School	3.15	3.76	4.28	4.53	4.77	5.01	5.26	5.78	6.39	
70	213.94	3.64	6.18	Student	-1.56	0.40	2.07	2.86	3.64	4.41	5.20	6.88	8.84	
	209.57	4.67	1.92	School	3.05	3.66	4.18	4.43	4.67	4.91	5.16	5.68	6.29	
75	216.09	3.23	6.18	Student	-1.97	-0.01	1.67	2.46	3.23	4.01	4.80	6.47	8.44	
	210.48	4.56	1.92	School	2.94	3.55	4.07	4.32	4.56	4.80	5.05	5.57	6.18	
80	218.49	2.78	6.18	Student	-2.42	-0.46	1.22	2.01	2.78	3.56	4.35	6.03	7.99	
	211.48	4.44	1.92	School	2.82	3.43	3.95	4.20	4.44	4.68	4.93	5.45	6.06	
85	221.28	2.26	6.18	Student	-2.94	-0.98	0.69	1.48	2.26	3.04	3.83	5.50	7.46	
	212.66	4.30	1.92	School	2.68	3.29	3.81	4.06	4.30	4.54	4.79	5.31	5.92	
90	224.79	1.60	6.18	Student	-3.60	-1.64	0.04	0.82	1.60	2.38	3.17	4.84	6.80	
	214.13	4.12	1.92	School	2.50	3.11	3.63	3.88	4.12	4.36	4.61	5.13	5.74	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.21: Language Usage Grade 5 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	187.86	6.65	6.92	Student	0.82	3.01	4.89	5.78	6.65	7.51	8.40	10.28	12.47
	198.46	5.29	1.83	School	3.75	4.33	4.82	5.06	5.29	5.52	5.75	6.25	6.83
20	193.96	6.16	6.92	Student	0.33	2.53	4.41	5.29	6.16	7.03	7.91	9.79	11.99
	200.92	5.27	1.83	School	3.73	4.31	4.80	5.04	5.27	5.50	5.73	6.23	6.81
25	196.28	5.98	6.92	Student	0.15	2.35	4.22	5.11	5.98	6.85	7.73	9.61	11.80
	201.86	5.26	1.83	School	3.72	4.30	4.80	5.03	5.26	5.49	5.73	6.22	6.81
30	198.36	5.81	6.92	Student	-0.02	2.18	4.06	4.94	5.81	6.68	7.56	9.44	11.64
	202.70	5.26	1.83	School	3.71	4.29	4.79	5.03	5.26	5.49	5.72	6.22	6.80
35	200.29	5.66	6.92	Student	-0.17	2.03	3.90	4.79	5.66	6.53	7.41	9.29	11.48
	203.48	5.25	1.83	School	3.71	4.29	4.79	5.02	5.25	5.48	5.71	6.21	6.79
40	202.12	5.51	6.92	Student	-0.31	1.88	3.76	4.64	5.51	6.38	7.27	9.14	11.34
	204.22	5.24	1.83	School	3.70	4.28	4.78	5.01	5.24	5.47	5.71	6.21	6.79
45	203.89	5.37	6.92	Student	-0.45	1.74	3.62	4.50	5.37	6.24	7.13	9.00	11.20
	204.93	5.24	1.83	School	3.70	4.28	4.77	5.01	5.24	5.47	5.70	6.20	6.78
48	204.94	5.29	6.92	Student	-0.54	1.66	3.53	4.42	5.29	6.16	7.04	8.92	11.11
	205.35	5.24	1.83	School	3.69	4.27	4.77	5.00	5.24	5.47	5.70	6.20	6.78
50	205.63	5.23	6.92	Student	-0.59	1.60	3.48	4.36	5.23	6.10	6.99	8.86	11.06
	205.63	5.23	1.83	School	3.69	4.27	4.77	5.00	5.23	5.46	5.70	6.19	6.78
52	206.33	5.18	6.92	Student	-0.65	1.55	3.42	4.31	5.18	6.05	6.93	8.81	11.00
	205.92	5.23	1.83	School	3.69	4.27	4.77	5.00	5.23	5.46	5.70	6.19	6.77
55	207.38	5.09	6.92	Student	-0.73	1.46	3.34	4.22	5.09	5.96	6.85	8.72	10.92
	206.34	5.23	1.83	School	3.68	4.27	4.76	5.00	5.23	5.46	5.69	6.19	6.77
60	209.15	4.95	6.92	Student	-0.87	1.32	3.20	4.08	4.95	5.82	6.71	8.58	10.78
	207.05	5.22	1.83	School	3.68	4.26	4.76	4.99	5.22	5.45	5.69	6.18	6.77
65	210.98	4.81	6.92	Student	-1.02	1.18	3.05	3.94	4.81	5.68	6.56	8.44	10.63
	207.79	5.22	1.83	School	3.67	4.26	4.75	4.99	5.22	5.45	5.68	6.18	6.76
70	212.91	4.66	6.92	Student	-1.17	1.03	2.90	3.79	4.66	5.53	6.41	8.29	10.48
	208.57	5.21	1.83	School	3.67	4.25	4.75	4.98	5.21	5.44	5.68	6.17	6.75
75	214.99	4.49	6.92	Student	-1.34	0.86	2.74	3.62	4.49	5.36	6.24	8.12	10.32
	209.41	5.20	1.83	School	3.66	4.24	4.74	4.97	5.20	5.43	5.67	6.17	6.75
80	217.31	4.31	6.92	Student	-1.52	0.68	2.55	3.44	4.31	5.18	6.06	7.94	10.13
	210.35	5.20	1.83	School	3.65	4.24	4.73	4.97	5.20	5.43	5.66	6.16	6.74
85	220.01	4.09	6.92	Student	-1.73	0.46	2.34	3.22	4.09	4.96	5.85	7.72	9.92
	211.44	5.19	1.83	School	3.65	4.23	4.72	4.96	5.19	5.42	5.65	6.15	6.73
90	223.41	3.82	6.92	Student	-2.00	0.19	2.07	2.95	3.82	4.69	5.58	7.45	9.65
	212.81	5.18	1.83	School	3.64	4.22	4.71	4.95	5.18	5.41	5.64	6.14	6.72

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.22: Language Usage Grade 5 From Fall To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	187.86	8.81	6.37	Student	3.45	5.47	7.20	8.01	8.81	9.61	10.43	12.15	14.17	
	198.46	6.12	1.70	School	4.69	5.23	5.69	5.91	6.12	6.33	6.55	7.01	7.55	
20	193.96	7.79	6.37	Student	2.42	4.45	6.17	6.99	7.79	8.59	9.40	11.13	13.15	
	200.92	6.02	1.70	School	4.59	5.13	5.59	5.81	6.02	6.24	6.45	6.91	7.45	
25	196.28	7.40	6.37	Student	2.04	4.06	5.78	6.60	7.40	8.20	9.01	10.74	12.76	
	201.86	5.98	1.70	School	4.55	5.09	5.55	5.77	5.98	6.20	6.41	6.88	7.41	
30	198.36	7.05	6.37	Student	1.69	3.71	5.44	6.25	7.05	7.85	8.66	10.39	12.41	
	202.70	5.95	1.70	School	4.52	5.06	5.52	5.74	5.95	6.16	6.38	6.84	7.38	
35	200.29	6.73	6.37	Student	1.36	3.38	5.11	5.93	6.73	7.53	8.34	10.07	12.09	
	203.48	5.92	1.70	School	4.49	5.03	5.49	5.70	5.92	6.13	6.35	6.81	7.35	
40	202.12	6.42	6.37	Student	1.06	3.08	4.81	5.62	6.42	7.22	8.03	9.76	11.78	
	204.22	5.89	1.70	School	4.46	5.00	5.46	5.67	5.89	6.10	6.32	6.78	7.32	
45	203.89	6.12	6.37	Student	0.76	2.78	4.51	5.32	6.12	6.92	7.74	9.47	11.49	
	204.93	5.86	1.70	School	4.43	4.97	5.43	5.65	5.86	6.07	6.29	6.75	7.29	
48	204.94	5.95	6.37	Student	0.58	2.61	4.33	5.15	5.95	6.75	7.56	9.29	11.31	
	205.35	5.84	1.70	School	4.41	4.95	5.41	5.63	5.84	6.06	6.27	6.73	7.27	
50	205.63	5.83	6.37	Student	0.47	2.49	4.22	5.03	5.83	6.63	7.45	9.17	11.19	
	205.63	5.83	1.70	School	4.40	4.94	5.40	5.62	5.83	6.04	6.26	6.72	7.26	
52	206.33	5.71	6.37	Student	0.35	2.37	4.10	4.91	5.71	6.52	7.33	9.06	11.08	
	205.92	5.82	1.70	School	4.39	4.93	5.39	5.61	5.82	6.03	6.25	6.71	7.25	
55	207.38	5.54	6.37	Student	0.17	2.20	3.92	4.74	5.54	6.34	7.15	8.88	10.90	
	206.34	5.80	1.70	School	4.37	4.91	5.37	5.59	5.80	6.02	6.23	6.69	7.23	
60	209.15	5.24	6.37	Student	-0.12	1.90	3.63	4.44	5.24	6.04	6.86	8.58	10.61	
	207.05	5.77	1.70	School	4.34	4.88	5.34	5.56	5.77	5.99	6.20	6.67	7.20	
65	210.98	4.93	6.37	Student	-0.43	1.59	3.32	4.13	4.93	5.74	6.55	8.28	10.30	
	207.79	5.74	1.70	School	4.31	4.85	5.31	5.53	5.74	5.96	6.17	6.64	7.17	
70	212.91	4.61	6.37	Student	-0.75	1.27	3.00	3.81	4.61	5.41	6.23	7.95	9.98	
	208.57	5.71	1.70	School	4.28	4.82	5.28	5.50	5.71	5.93	6.14	6.60	7.14	
75	214.99	4.26	6.37	Student	-1.10	0.92	2.65	3.46	4.26	5.06	5.88	7.60	9.63	
	209.41	5.68	1.70	School	4.25	4.79	5.25	5.46	5.68	5.89	6.11	6.57	7.11	
80	217.31	3.87	6.37	Student	-1.49	0.53	2.26	3.07	3.87	4.67	5.49	7.22	9.24	
	210.35	5.64	1.70	School	4.21	4.75	5.21	5.43	5.64	5.85	6.07	6.53	7.07	
85	220.01	3.42	6.37	Student	-1.94	0.08	1.81	2.62	3.42	4.22	5.04	6.76	8.78	
	211.44	5.60	1.70	School	4.17	4.70	5.17	5.38	5.60	5.81	6.03	6.49	7.03	
90	223.41	2.85	6.37	Student	-2.51	-0.49	1.24	2.05	2.85	3.65	4.47	6.19	8.21	
	212.81	5.54	1.70	School	4.11	4.65	5.11	5.33	5.54	5.75	5.97	6.43	6.97	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.23: Language Usage Grade 5 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	187.86	6.13	4.96	Student	1.96	3.53	4.87	5.50	6.13	6.75	7.38	8.73	10.30	
	198.46	4.23	0.97	School	3.42	3.72	3.99	4.11	4.23	4.36	4.48	4.74	5.05	
20	193.96	5.42	4.96	Student	1.25	2.82	4.16	4.80	5.42	6.04	6.68	8.02	9.59	
	200.92	4.18	0.97	School	3.36	3.67	3.93	4.05	4.18	4.30	4.42	4.69	5.00	
25	196.28	5.15	4.96	Student	0.98	2.55	3.90	4.53	5.15	5.77	6.41	7.75	9.32	
	201.86	4.16	0.97	School	3.34	3.65	3.91	4.03	4.16	4.28	4.40	4.67	4.97	
30	198.36	4.91	4.96	Student	0.74	2.31	3.65	4.29	4.91	5.53	6.17	7.51	9.08	
	202.70	4.14	0.97	School	3.32	3.63	3.89	4.01	4.14	4.26	4.38	4.65	4.95	
35	200.29	4.69	4.96	Student	0.52	2.09	3.43	4.06	4.69	5.31	5.94	7.29	8.86	
	203.48	4.12	0.97	School	3.30	3.61	3.87	4.00	4.12	4.24	4.36	4.63	4.94	
40	202.12	4.48	4.96	Student	0.30	1.88	3.22	3.85	4.48	5.10	5.73	7.07	8.65	
	204.22	4.10	0.97	School	3.28	3.59	3.85	3.98	4.10	4.22	4.35	4.61	4.92	
45	203.89	4.27	4.96	Student	0.10	1.67	3.01	3.65	4.27	4.89	5.53	6.87	8.44	
	204.93	4.08	0.97	School	3.27	3.57	3.84	3.96	4.08	4.21	4.33	4.59	4.90	
48	204.94	4.15	4.96	Student	-0.02	1.55	2.89	3.53	4.15	4.77	5.40	6.75	8.32	
	205.35	4.07	0.97	School	3.26	3.56	3.83	3.95	4.07	4.20	4.32	4.58	4.89	
50	205.63	4.07	4.96	Student	-0.10	1.47	2.81	3.45	4.07	4.69	5.32	6.67	8.24	
	205.63	4.07	0.97	School	3.25	3.56	3.82	3.95	4.07	4.19	4.31	4.58	4.89	
52	206.33	3.99	4.96	Student	-0.18	1.39	2.73	3.36	3.99	4.61	5.24	6.59	8.16	
	205.92	4.06	0.97	School	3.24	3.55	3.82	3.94	4.06	4.18	4.31	4.57	4.88	
55	207.38	3.87	4.96	Student	-0.31	1.27	2.61	3.24	3.87	4.49	5.12	6.47	8.04	
	206.34	4.05	0.97	School	3.23	3.54	3.81	3.93	4.05	4.17	4.30	4.56	4.87	
60	209.15	3.66	4.96	Student	-0.51	1.06	2.41	3.04	3.66	4.28	4.92	6.26	7.83	
	207.05	4.04	0.97	School	3.22	3.53	3.79	3.91	4.04	4.16	4.28	4.54	4.85	
65	210.98	3.45	4.96	Student	-0.72	0.85	2.19	2.83	3.45	4.07	4.70	6.05	7.62	
	207.79	4.02	0.97	School	3.20	3.51	3.77	3.90	4.02	4.14	4.26	4.53	4.84	
70	212.91	3.23	4.96	Student	-0.95	0.63	1.97	2.60	3.23	3.85	4.48	5.82	7.40	
	208.57	4.00	0.97	School	3.18	3.49	3.75	3.88	4.00	4.12	4.25	4.51	4.82	
75	214.99	2.98	4.96	Student	-1.19	0.38	1.73	2.36	2.98	3.61	4.24	5.58	7.16	
	209.41	3.98	0.97	School	3.16	3.47	3.73	3.86	3.98	4.10	4.23	4.49	4.80	
80	217.31	2.72	4.96	Student	-1.46	0.12	1.46	2.09	2.72	3.34	3.97	5.32	6.89	
	210.35	3.96	0.97	School	3.14	3.45	3.71	3.84	3.96	4.08	4.21	4.47	4.78	
85	220.01	2.40	4.96	Student	-1.77	-0.20	1.15	1.78	2.40	3.03	3.66	5.00	6.57	
	211.44	3.93	0.97	School	3.12	3.42	3.69	3.81	3.93	4.06	4.18	4.44	4.75	
90	223.41	2.01	4.96	Student	-2.16	-0.59	0.75	1.39	2.01	2.63	3.26	4.61	6.18	
	212.81	3.90	0.97	School	3.08	3.39	3.66	3.78	3.90	4.02	4.15	4.41	4.72	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.24: Language Usage Grade 5 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		20	30	40	45	50	55	60	70	80	
10	192.75	2.94	4.72	Student	-1.04	0.46	1.74	2.34	2.94	3.53	4.13	5.41	6.91	
	202.58	1.72	0.74	School	1.10	1.34	1.54	1.63	1.72	1.81	1.91	2.11	2.34	
20	198.57	2.53	4.72	Student	-1.44	0.06	1.34	1.94	2.53	3.13	3.73	5.01	6.51	
	205.03	1.74	0.74	School	1.12	1.35	1.55	1.64	1.74	1.83	1.92	2.12	2.36	
25	200.78	2.38	4.72	Student	-1.60	-0.10	1.18	1.79	2.38	2.97	3.58	4.86	6.36	
	205.96	1.74	0.74	School	1.12	1.36	1.56	1.65	1.74	1.83	1.93	2.13	2.36	
30	202.77	2.24	4.72	Student	-1.73	-0.23	1.05	1.65	2.24	2.84	3.44	4.72	6.22	
	206.79	1.75	0.74	School	1.13	1.36	1.56	1.65	1.75	1.84	1.93	2.13	2.37	
35	204.61	2.12	4.72	Student	-1.86	-0.36	0.92	1.52	2.12	2.71	3.31	4.59	6.09	
	207.56	1.75	0.74	School	1.13	1.37	1.56	1.66	1.75	1.84	1.94	2.14	2.37	
40	206.35	1.99	4.72	Student	-1.98	-0.48	0.80	1.40	1.99	2.59	3.19	4.47	5.97	
	208.30	1.75	0.74	School	1.14	1.37	1.57	1.66	1.75	1.85	1.94	2.14	2.37	
45	208.04	1.88	4.72	Student	-2.10	-0.60	0.68	1.28	1.88	2.47	3.07	4.35	5.85	
	209.00	1.76	0.74	School	1.14	1.37	1.57	1.67	1.76	1.85	1.95	2.14	2.38	
48	209.04	1.81	4.72	Student	-2.17	-0.67	0.61	1.22	1.81	2.40	3.01	4.29	5.78	
	209.42	1.76	0.74	School	1.14	1.38	1.58	1.67	1.76	1.85	1.95	2.15	2.38	
50	209.70	1.76	4.72	Student	-2.21	-0.71	0.57	1.17	1.76	2.36	2.96	4.24	5.74	
	209.70	1.76	0.74	School	1.14	1.38	1.58	1.67	1.76	1.86	1.95	2.15	2.38	
52	210.37	1.72	4.72	Student	-2.26	-0.76	0.52	1.12	1.72	2.31	2.91	4.19	5.69	
	209.98	1.76	0.74	School	1.15	1.38	1.58	1.67	1.76	1.86	1.95	2.15	2.38	
55	211.36	1.65	4.72	Student	-2.33	-0.83	0.45	1.05	1.65	2.24	2.84	4.12	5.62	
	210.40	1.77	0.74	School	1.15	1.38	1.58	1.67	1.77	1.86	1.95	2.15	2.39	
60	213.05	1.53	4.72	Student	-2.44	-0.95	0.33	0.94	1.53	2.12	2.73	4.01	5.51	
	211.11	1.77	0.74	School	1.15	1.39	1.58	1.68	1.77	1.86	1.96	2.16	2.39	
65	214.80	1.41	4.72	Student	-2.57	-1.07	0.21	0.82	1.41	2.00	2.61	3.89	5.39	
	211.84	1.78	0.74	School	1.16	1.39	1.59	1.68	1.78	1.87	1.96	2.16	2.39	
70	216.64	1.28	4.72	Student	-2.69	-1.19	0.09	0.69	1.28	1.88	2.48	3.76	5.26	
	212.62	1.78	0.74	School	1.16	1.39	1.59	1.69	1.78	1.87	1.97	2.17	2.40	
75	218.62	1.15	4.72	Student	-2.83	-1.33	-0.05	0.55	1.15	1.74	2.34	3.62	5.12	
	213.45	1.78	0.74	School	1.17	1.40	1.60	1.69	1.78	1.88	1.97	2.17	2.40	
80	220.83	0.99	4.72	Student	-2.98	-1.48	-0.20	0.40	0.99	1.59	2.19	3.47	4.97	
	214.38	1.79	0.74	School	1.17	1.40	1.60	1.70	1.79	1.88	1.98	2.18	2.41	
85	223.41	0.81	4.72	Student	-3.16	-1.66	-0.38	0.22	0.81	1.41	2.01	3.29	4.79	
	215.46	1.80	0.74	School	1.18	1.41	1.61	1.70	1.80	1.89	1.98	2.18	2.41	
90	226.65	0.59	4.72	Student	-3.39	-1.89	-0.61	-0.00	0.59	1.18	1.79	3.07	4.57	
	216.82	1.80	0.74	School	1.18	1.42	1.62	1.71	1.80	1.90	1.99	2.19	2.42	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.25: Language Usage Grade 6 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	191.70	6.83	5.67	Student	2.06	3.85	5.39	6.11	6.83	7.54	8.26	9.80	11.60	
	202.31	4.48	1.63	School	3.11	3.63	4.07	4.28	4.48	4.69	4.90	5.34	5.85	
20	197.92	5.90	5.67	Student	1.13	2.93	4.46	5.19	5.90	6.61	7.33	8.87	10.67	
	204.89	4.36	1.63	School	2.99	3.51	3.95	4.16	4.36	4.57	4.77	5.21	5.73	
25	200.28	5.55	5.67	Student	0.78	2.58	4.11	4.83	5.55	6.26	6.98	8.52	10.32	
	205.87	4.31	1.63	School	2.94	3.46	3.90	4.11	4.31	4.52	4.73	5.17	5.68	
30	202.40	5.23	5.67	Student	0.46	2.26	3.79	4.52	5.23	5.94	6.67	8.20	10.00	
	206.75	4.27	1.63	School	2.90	3.42	3.86	4.07	4.27	4.48	4.68	5.13	5.64	
35	204.37	4.94	5.67	Student	0.17	1.97	3.50	4.23	4.94	5.65	6.37	7.91	9.71	
	207.56	4.23	1.63	School	2.86	3.38	3.82	4.03	4.23	4.44	4.65	5.09	5.60	
40	206.23	4.66	5.67	Student	-0.11	1.69	3.22	3.95	4.66	5.37	6.09	7.63	9.43	
	208.33	4.20	1.63	School	2.83	3.34	3.78	3.99	4.20	4.40	4.61	5.05	5.57	
45	208.04	4.39	5.67	Student	-0.38	1.42	2.95	3.68	4.39	5.10	5.83	7.36	9.16	
	209.08	4.16	1.63	School	2.79	3.31	3.75	3.96	4.16	4.37	4.57	5.01	5.53	
48	209.11	4.23	5.67	Student	-0.54	1.26	2.80	3.52	4.23	4.94	5.67	7.20	9.00	
	209.52	4.14	1.63	School	2.77	3.29	3.73	3.93	4.14	4.34	4.55	4.99	5.51	
50	209.82	4.13	5.67	Student	-0.64	1.15	2.69	3.41	4.13	4.84	5.56	7.10	8.89	
	209.82	4.13	1.63	School	2.76	3.27	3.71	3.92	4.13	4.33	4.54	4.98	5.50	
52	210.52	4.02	5.67	Student	-0.75	1.05	2.58	3.31	4.02	4.73	5.46	6.99	8.79	
	210.11	4.11	1.63	School	2.74	3.26	3.70	3.91	4.11	4.32	4.52	4.97	5.48	
55	211.59	3.86	5.67	Student	-0.91	0.89	2.43	3.15	3.86	4.57	5.30	6.83	8.63	
	210.55	4.09	1.63	School	2.72	3.24	3.68	3.89	4.09	4.29	4.50	4.94	5.46	
60	213.40	3.59	5.67	Student	-1.18	0.62	2.16	2.88	3.59	4.30	5.03	6.56	8.36	
	211.30	4.05	1.63	School	2.68	3.20	3.64	3.85	4.05	4.26	4.47	4.91	5.42	
65	215.26	3.31	5.67	Student	-1.46	0.34	1.88	2.60	3.31	4.03	4.75	6.29	8.08	
	212.07	4.02	1.63	School	2.65	3.16	3.61	3.81	4.02	4.22	4.43	4.87	5.39	
70	217.23	3.02	5.67	Student	-1.75	0.05	1.58	2.31	3.02	3.73	4.46	5.99	7.79	
	212.88	3.98	1.63	School	2.61	3.13	3.57	3.77	3.98	4.18	4.39	4.83	5.35	
75	219.35	2.70	5.67	Student	-2.07	-0.27	1.27	1.99	2.70	3.42	4.14	5.68	7.47	
	213.76	3.94	1.63	School	2.57	3.08	3.52	3.73	3.94	4.14	4.35	4.79	5.31	
80	221.71	2.35	5.67	Student	-2.42	-0.62	0.92	1.64	2.35	3.06	3.79	5.32	7.12	
	214.74	3.89	1.63	School	2.52	3.04	3.48	3.69	3.89	4.09	4.30	4.74	5.26	
85	224.47	1.94	5.67	Student	-2.83	-1.03	0.51	1.23	1.94	2.65	3.38	4.91	6.71	
	215.88	3.84	1.63	School	2.47	2.98	3.42	3.63	3.84	4.04	4.25	4.69	5.21	
90	227.93	1.42	5.67	Student	-3.34	-1.55	-0.01	0.71	1.42	2.14	2.86	4.40	6.19	
	217.32	3.77	1.63	School	2.40	2.91	3.35	3.56	3.77	3.97	4.18	4.62	5.14	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.26: Language Usage Grade 6 From Last Spring To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	193.19	6.85	6.18	Student	1.66	3.62	5.29	6.08	6.85	7.63	8.42	10.09	12.05
	203.97	4.11	1.90	School	2.51	3.11	3.63	3.87	4.11	4.34	4.59	5.10	5.70
20	199.54	5.73	6.18	Student	0.54	2.50	4.17	4.96	5.73	6.51	7.30	8.97	10.93
	206.61	3.93	1.90	School	2.33	2.93	3.45	3.69	3.93	4.17	4.41	4.92	5.53
25	201.95	5.31	6.18	Student	0.11	2.07	3.74	4.53	5.31	6.08	6.87	8.55	10.51
	207.62	3.86	1.90	School	2.27	2.87	3.38	3.62	3.86	4.10	4.34	4.86	5.46
30	204.11	4.93	6.18	Student	-0.27	1.69	3.36	4.15	4.93	5.70	6.49	8.17	10.12
	208.52	3.80	1.90	School	2.21	2.81	3.32	3.56	3.80	4.04	4.28	4.80	5.40
35	206.11	4.57	6.18	Student	-0.63	1.33	3.01	3.80	4.57	5.35	6.14	7.81	9.77
	209.35	3.75	1.90	School	2.15	2.75	3.27	3.51	3.75	3.98	4.23	4.74	5.34
40	208.02	4.24	6.18	Student	-0.96	1.00	2.67	3.46	4.24	5.01	5.80	7.48	9.43
	210.15	3.69	1.90	School	2.10	2.70	3.21	3.45	3.69	3.93	4.17	4.69	5.29
45	209.86	3.91	6.18	Student	-1.29	0.67	2.35	3.14	3.91	4.69	5.48	7.15	9.11
	210.91	3.64	1.90	School	2.05	2.65	3.16	3.40	3.64	3.88	4.12	4.64	5.24
48	210.95	3.72	6.18	Student	-1.48	0.48	2.15	2.94	3.72	4.49	5.28	6.96	8.92
	211.37	3.61	1.90	School	2.01	2.62	3.13	3.37	3.61	3.85	4.09	4.61	5.21
50	211.67	3.59	6.18	Student	-1.61	0.35	2.03	2.82	3.59	4.37	5.16	6.83	8.79
	211.67	3.59	1.90	School	1.99	2.60	3.11	3.35	3.59	3.83	4.07	4.59	5.19
52	212.39	3.46	6.18	Student	-1.73	0.22	1.90	2.69	3.46	4.24	5.03	6.70	8.66
	211.97	3.57	1.90	School	1.97	2.58	3.09	3.33	3.57	3.81	4.05	4.57	5.17
55	213.48	3.27	6.18	Student	-1.93	0.03	1.71	2.50	3.27	4.05	4.84	6.51	8.47
	212.42	3.54	1.90	School	1.94	2.55	3.06	3.30	3.54	3.78	4.02	4.54	5.14
60	215.32	2.95	6.18	Student	-2.25	-0.29	1.38	2.17	2.95	3.72	4.51	6.18	8.14
	213.19	3.49	1.90	School	1.89	2.49	3.01	3.25	3.49	3.73	3.97	4.48	5.09
65	217.22	2.61	6.18	Student	-2.59	-0.63	1.05	1.83	2.61	3.39	4.17	5.85	7.81
	213.99	3.44	1.90	School	1.84	2.44	2.96	3.20	3.44	3.67	3.92	4.43	5.03
70	219.23	2.26	6.18	Student	-2.94	-0.98	0.69	1.48	2.26	3.03	3.82	5.49	7.45
	214.82	3.38	1.90	School	1.78	2.39	2.90	3.14	3.38	3.62	3.86	4.38	4.98
75	221.39	1.87	6.18	Student	-3.32	-1.37	0.31	1.10	1.87	2.65	3.44	5.11	7.07
	215.72	3.32	1.90	School	1.72	2.33	2.84	3.08	3.32	3.56	3.80	4.31	4.92
80	223.80	1.45	6.18	Student	-3.75	-1.79	-0.12	0.67	1.45	2.22	3.01	4.69	6.65
	216.73	3.25	1.90	School	1.66	2.26	2.77	3.01	3.25	3.49	3.73	4.25	4.85
85	226.61	0.95	6.18	Student	-4.25	-2.29	-0.61	0.18	0.95	1.73	2.52	4.19	6.15
	217.90	3.17	1.90	School	1.58	2.18	2.69	2.94	3.17	3.41	3.66	4.17	4.77
90	230.15	0.33	6.18	Student	-4.87	-2.91	-1.24	-0.45	0.33	1.10	1.89	3.57	5.53
	219.37	3.08	1.90	School	1.48	2.08	2.60	2.84	3.08	3.31	3.56	4.07	4.67

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.27: Language Usage Grade 6 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	193.05	5.27	6.75	Student	-0.42	1.73	3.56	4.42	5.27	6.12	6.98	8.81	10.95
	203.27	3.69	1.79	School	2.19	2.76	3.24	3.47	3.69	3.92	4.15	4.63	5.20
20	199.12	4.77	6.75	Student	-0.91	1.23	3.06	3.92	4.77	5.62	6.48	8.31	10.45
	205.83	3.74	1.79	School	2.23	2.80	3.28	3.51	3.74	3.96	4.19	4.67	5.24
25	201.42	4.58	6.75	Student	-1.10	1.04	2.87	3.73	4.58	5.43	6.29	8.12	10.26
	206.80	3.75	1.79	School	2.25	2.82	3.30	3.53	3.75	3.98	4.20	4.69	5.25
30	203.49	4.41	6.75	Student	-1.27	0.87	2.70	3.56	4.41	5.26	6.12	7.95	10.09
	207.68	3.77	1.79	School	2.26	2.83	3.31	3.54	3.77	3.99	4.22	4.70	5.27
35	205.41	4.25	6.75	Student	-1.43	0.71	2.54	3.40	4.25	5.10	5.96	7.79	9.94
	208.49	3.78	1.79	School	2.28	2.84	3.33	3.55	3.78	4.00	4.23	4.72	5.28
40	207.23	4.10	6.75	Student	-1.58	0.56	2.39	3.25	4.10	4.95	5.81	7.64	9.79
	209.25	3.79	1.79	School	2.29	2.85	3.34	3.57	3.79	4.02	4.24	4.73	5.29
45	208.99	3.96	6.75	Student	-1.73	0.42	2.25	3.11	3.96	4.81	5.67	7.50	9.64
	210.00	3.80	1.79	School	2.30	2.87	3.35	3.58	3.80	4.03	4.26	4.74	5.31
48	210.04	3.87	6.75	Student	-1.81	0.33	2.16	3.02	3.87	4.72	5.58	7.41	9.56
	210.44	3.81	1.79	School	2.31	2.87	3.36	3.59	3.81	4.03	4.26	4.75	5.31
50	210.73	3.82	6.75	Student	-1.87	0.27	2.10	2.97	3.82	4.66	5.53	7.36	9.50
	210.73	3.82	1.79	School	2.31	2.88	3.36	3.59	3.82	4.04	4.27	4.75	5.32
52	211.42	3.76	6.75	Student	-1.93	0.22	2.05	2.91	3.76	4.61	5.47	7.30	9.44
	211.02	3.82	1.79	School	2.32	2.88	3.37	3.60	3.82	4.04	4.27	4.76	5.32
55	212.46	3.67	6.75	Student	-2.01	0.13	1.96	2.82	3.67	4.52	5.38	7.21	9.36
	211.46	3.83	1.79	School	2.32	2.89	3.37	3.60	3.83	4.05	4.28	4.76	5.33
60	214.22	3.53	6.75	Student	-2.16	-0.01	1.82	2.68	3.53	4.38	5.24	7.07	9.21
	212.20	3.84	1.79	School	2.34	2.90	3.39	3.61	3.84	4.06	4.29	4.78	5.34
65	216.04	3.38	6.75	Student	-2.31	-0.16	1.67	2.53	3.38	4.23	5.09	6.92	9.06
	212.97	3.85	1.79	School	2.35	2.92	3.40	3.63	3.85	4.08	4.30	4.79	5.35
70	217.96	3.22	6.75	Student	-2.46	-0.32	1.51	2.37	3.22	4.07	4.93	6.76	8.90
	213.78	3.86	1.79	School	2.36	2.93	3.41	3.64	3.86	4.09	4.32	4.80	5.37
75	220.03	3.05	6.75	Student	-2.63	-0.49	1.34	2.20	3.05	3.90	4.76	6.59	8.73
	214.65	3.88	1.79	School	2.38	2.94	3.43	3.65	3.88	4.10	4.33	4.82	5.38
80	222.34	2.86	6.75	Student	-2.82	-0.68	1.15	2.01	2.86	3.71	4.57	6.40	8.54
	215.62	3.89	1.79	School	2.39	2.96	3.44	3.67	3.89	4.12	4.35	4.83	5.40
85	225.02	2.64	6.75	Student	-3.04	-0.90	0.93	1.79	2.64	3.49	4.35	6.18	8.32
	216.76	3.91	1.79	School	2.41	2.98	3.46	3.69	3.91	4.14	4.37	4.85	5.42
90	228.40	2.36	6.75	Student	-3.32	-1.18	0.65	1.51	2.36	3.21	4.07	5.90	8.05
	218.18	3.94	1.79	School	2.43	3.00	3.48	3.71	3.94	4.16	4.39	4.87	5.44

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.28: Language Usage Grade 6 From Fall To Spring Conditional Growth Percentile

Start Status	Growth	Conditional Growth											
		CGP	20	30	40	45	50	55	60	70	80		
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	193.05	7.22	6.51	Student	1.75	3.81	5.58	6.41	7.22	8.04	8.87	10.64	12.70
	203.27	4.76	1.81	School	3.24	3.81	4.30	4.54	4.76	4.99	5.22	5.71	6.29
20	199.12	6.30	6.51	Student	0.82	2.89	4.65	5.48	6.30	7.12	7.95	9.71	11.78
	205.83	4.68	1.81	School	3.16	3.74	4.23	4.46	4.68	4.91	5.14	5.63	6.21
25	201.42	5.95	6.51	Student	0.47	2.54	4.30	5.13	5.95	6.77	7.60	9.36	11.43
	206.80	4.65	1.81	School	3.13	3.71	4.20	4.43	4.65	4.88	5.11	5.60	6.18
30	203.49	5.63	6.51	Student	0.16	2.22	3.99	4.82	5.63	6.45	7.28	9.05	11.11
	207.68	4.63	1.81	School	3.10	3.68	4.17	4.40	4.63	4.85	5.09	5.58	6.15
35	205.41	5.34	6.51	Student	-0.13	1.93	3.69	4.52	5.34	6.16	6.99	8.75	10.82
	208.49	4.60	1.81	School	3.08	3.65	4.14	4.38	4.60	4.83	5.06	5.55	6.13
40	207.23	5.07	6.51	Student	-0.41	1.65	3.42	4.25	5.07	5.88	6.71	8.48	10.54
	209.25	4.58	1.81	School	3.06	3.63	4.12	4.35	4.58	4.81	5.04	5.53	6.10
45	208.99	4.80	6.51	Student	-0.68	1.39	3.15	3.98	4.80	5.61	6.45	8.21	10.27
	210.00	4.56	1.81	School	3.03	3.61	4.10	4.33	4.56	4.78	5.01	5.51	6.08
48	210.04	4.64	6.51	Student	-0.84	1.23	2.99	3.82	4.64	5.46	6.29	8.05	10.11
	210.44	4.54	1.81	School	3.02	3.59	4.08	4.31	4.54	4.77	5.00	5.49	6.07
50	210.73	4.53	6.51	Student	-0.94	1.12	2.88	3.72	4.53	5.35	6.18	7.95	10.01
	210.73	4.53	1.81	School	3.01	3.58	4.07	4.31	4.53	4.76	4.99	5.48	6.06
52	211.42	4.43	6.51	Student	-1.05	1.02	2.78	3.61	4.43	5.25	6.08	7.84	9.90
	211.02	4.52	1.81	School	3.00	3.58	4.07	4.30	4.52	4.75	4.98	5.47	6.05
55	212.46	4.27	6.51	Student	-1.21	0.86	2.62	3.45	4.27	5.09	5.92	7.68	9.75
	211.46	4.51	1.81	School	2.99	3.56	4.05	4.28	4.51	4.74	4.97	5.46	6.03
60	214.22	4.00	6.51	Student	-1.47	0.59	2.35	3.18	4.00	4.82	5.65	7.41	9.48
	212.20	4.49	1.81	School	2.96	3.54	4.03	4.26	4.49	4.72	4.95	5.44	6.01
65	216.04	3.72	6.51	Student	-1.75	0.31	2.08	2.91	3.72	4.54	5.37	7.14	9.20
	212.97	4.46	1.81	School	2.94	3.51	4.01	4.24	4.46	4.69	4.92	5.41	5.99
70	217.96	3.43	6.51	Student	-2.04	0.02	1.78	2.61	3.43	4.25	5.08	6.84	8.91
	213.78	4.44	1.81	School	2.92	3.49	3.98	4.21	4.44	4.67	4.90	5.39	5.96
75	220.03	3.12	6.51	Student	-2.36	-0.29	1.47	2.30	3.12	3.93	4.77	6.53	8.59
	214.65	4.41	1.81	School	2.89	3.46	3.95	4.18	4.41	4.64	4.87	5.36	5.94
80	222.34	2.77	6.51	Student	-2.71	-0.65	1.12	1.95	2.77	3.58	4.41	6.18	8.24
	215.62	4.38	1.81	School	2.86	3.43	3.92	4.15	4.38	4.61	4.84	5.33	5.91
85	225.02	2.36	6.51	Student	-3.12	-1.05	0.71	1.54	2.36	3.17	4.01	5.77	7.83
	216.76	4.35	1.81	School	2.82	3.40	3.89	4.12	4.35	4.57	4.81	5.30	5.87
90	228.40	1.84	6.51	Student	-3.63	-1.57	0.19	1.02	1.84	2.66	3.49	5.25	7.32
	218.18	4.30	1.81	School	2.78	3.35	3.84	4.08	4.30	4.53	4.76	5.25	5.83

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.29: Language Usage Grade 6 From Fall To Winter Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	193.05	5.11	5.02	Student	0.88	2.48	3.84	4.48	5.11	5.74	6.38	7.74	9.33	
	203.27	3.34	1.03	School	2.47	2.80	3.08	3.21	3.34	3.47	3.61	3.89	4.22	
20	199.12	4.46	5.02	Student	0.23	1.83	3.19	3.83	4.46	5.09	5.73	7.09	8.68	
	205.83	3.30	1.03	School	2.43	2.76	3.04	3.17	3.30	3.43	3.56	3.84	4.17	
25	201.42	4.21	5.02	Student	-0.01	1.58	2.94	3.58	4.21	4.84	5.48	6.84	8.44	
	206.80	3.28	1.03	School	2.41	2.74	3.02	3.15	3.28	3.41	3.54	3.82	4.15	
30	203.49	3.99	5.02	Student	-0.24	1.36	2.72	3.36	3.99	4.62	5.26	6.62	8.21	
	207.68	3.27	1.03	School	2.40	2.72	3.00	3.14	3.27	3.40	3.53	3.81	4.14	
35	205.41	3.78	5.02	Student	-0.44	1.15	2.51	3.15	3.78	4.41	5.05	6.42	8.01	
	208.49	3.25	1.03	School	2.38	2.71	2.99	3.12	3.25	3.38	3.51	3.80	4.12	
40	207.23	3.59	5.02	Student	-0.64	0.96	2.32	2.96	3.59	4.22	4.86	6.22	7.81	
	209.25	3.24	1.03	School	2.37	2.70	2.98	3.11	3.24	3.37	3.50	3.78	4.11	
45	208.99	3.40	5.02	Student	-0.83	0.77	2.13	2.77	3.40	4.03	4.67	6.03	7.62	
	210.00	3.23	1.03	School	2.35	2.68	2.96	3.10	3.23	3.36	3.49	3.77	4.10	
48	210.04	3.29	5.02	Student	-0.94	0.65	2.02	2.66	3.29	3.92	4.56	5.92	7.51	
	210.44	3.22	1.03	School	2.35	2.68	2.96	3.09	3.22	3.35	3.48	3.76	4.09	
50	210.73	3.21	5.02	Student	-1.01	0.58	1.94	2.58	3.21	3.84	4.48	5.85	7.44	
	210.73	3.21	1.03	School	2.34	2.67	2.95	3.08	3.21	3.34	3.48	3.76	4.08	
52	211.42	3.14	5.02	Student	-1.09	0.51	1.87	2.51	3.14	3.77	4.41	5.77	7.36	
	211.02	3.21	1.03	School	2.34	2.67	2.95	3.08	3.21	3.34	3.47	3.75	4.08	
55	212.46	3.03	5.02	Student	-1.20	0.39	1.76	2.40	3.03	3.66	4.30	5.66	7.25	
	211.46	3.20	1.03	School	2.33	2.66	2.94	3.07	3.20	3.33	3.46	3.74	4.07	
60	214.22	2.84	5.02	Student	-1.39	0.21	1.57	2.21	2.84	3.47	4.11	5.47	7.06	
	212.20	3.19	1.03	School	2.32	2.64	2.92	3.06	3.19	3.32	3.45	3.73	4.06	
65	216.04	2.64	5.02	Student	-1.58	0.01	1.37	2.01	2.64	3.27	3.91	5.28	6.87	
	212.97	3.17	1.03	School	2.30	2.63	2.91	3.04	3.17	3.30	3.44	3.72	4.04	
70	217.96	2.44	5.02	Student	-1.79	-0.20	1.17	1.81	2.44	3.07	3.71	5.07	6.66	
	213.78	3.16	1.03	School	2.29	2.62	2.90	3.03	3.16	3.29	3.42	3.70	4.03	
75	220.03	2.21	5.02	Student	-2.01	-0.42	0.94	1.58	2.21	2.85	3.49	4.85	6.44	
	214.65	3.14	1.03	School	2.27	2.60	2.88	3.01	3.14	3.27	3.41	3.69	4.01	
80	222.34	1.97	5.02	Student	-2.26	-0.66	0.70	1.34	1.97	2.60	3.24	4.60	6.19	
	215.62	3.13	1.03	School	2.26	2.58	2.86	3.00	3.13	3.26	3.39	3.67	4.00	
85	225.02	1.68	5.02	Student	-2.55	-0.95	0.41	1.05	1.68	2.31	2.95	4.31	5.90	
	216.76	3.11	1.03	School	2.24	2.56	2.84	2.98	3.11	3.24	3.37	3.65	3.98	
90	228.40	1.32	5.02	Student	-2.91	-1.32	0.05	0.69	1.32	1.95	2.59	3.95	5.54	
	218.18	3.08	1.03	School	2.21	2.54	2.82	2.95	3.08	3.21	3.34	3.62	3.95	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.30: Language Usage Grade 6 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	196.90	2.33	4.76	Student	-1.67	-0.16	1.13	1.74	2.33	2.93	3.54	4.83	6.34	
	206.50	1.24	0.78	School	0.59	0.83	1.04	1.14	1.24	1.34	1.44	1.65	1.90	
20	202.75	1.99	4.76	Student	-2.02	-0.51	0.78	1.39	1.99	2.58	3.19	4.48	5.99	
	209.05	1.27	0.78	School	0.61	0.86	1.07	1.17	1.27	1.37	1.47	1.68	1.92	
25	204.97	1.85	4.76	Student	-2.15	-0.64	0.65	1.26	1.85	2.45	3.06	4.35	5.86	
	210.02	1.28	0.78	School	0.62	0.87	1.08	1.18	1.28	1.38	1.48	1.69	1.93	
30	206.97	1.74	4.76	Student	-2.27	-0.76	0.53	1.14	1.74	2.33	2.94	4.23	5.74	
	210.90	1.29	0.78	School	0.63	0.88	1.09	1.19	1.29	1.39	1.48	1.70	1.94	
35	208.82	1.63	4.76	Student	-2.38	-0.87	0.42	1.03	1.63	2.22	2.83	4.12	5.63	
	211.70	1.30	0.78	School	0.64	0.89	1.10	1.20	1.30	1.39	1.49	1.70	1.95	
40	210.57	1.52	4.76	Student	-2.49	-0.98	0.31	0.92	1.52	2.12	2.73	4.02	5.53	
	212.47	1.30	0.78	School	0.65	0.90	1.11	1.21	1.30	1.40	1.50	1.71	1.96	
45	212.27	1.42	4.76	Student	-2.59	-1.08	0.21	0.82	1.42	2.02	2.63	3.92	5.43	
	213.21	1.31	0.78	School	0.66	0.90	1.12	1.21	1.31	1.41	1.51	1.72	1.97	
48	213.27	1.36	4.76	Student	-2.65	-1.14	0.15	0.76	1.36	1.96	2.57	3.86	5.37	
	213.65	1.32	0.78	School	0.66	0.91	1.12	1.22	1.32	1.42	1.51	1.73	1.97	
50	213.94	1.32	4.76	Student	-2.69	-1.18	0.11	0.72	1.32	1.92	2.53	3.82	5.33	
	213.94	1.32	0.78	School	0.67	0.91	1.12	1.22	1.32	1.42	1.52	1.73	1.98	
52	214.61	1.28	4.76	Student	-2.73	-1.22	0.07	0.68	1.28	1.88	2.49	3.78	5.29	
	214.23	1.32	0.78	School	0.67	0.92	1.13	1.23	1.32	1.42	1.52	1.73	1.98	
55	215.61	1.22	4.76	Student	-2.78	-1.28	0.02	0.62	1.22	1.82	2.43	3.72	5.23	
	214.67	1.33	0.78	School	0.67	0.92	1.13	1.23	1.33	1.43	1.53	1.74	1.98	
60	217.31	1.12	4.76	Student	-2.89	-1.38	-0.09	0.52	1.12	1.72	2.33	3.62	5.13	
	215.41	1.34	0.78	School	0.68	0.93	1.14	1.24	1.34	1.43	1.53	1.74	1.99	
65	219.06	1.02	4.76	Student	-2.99	-1.48	-0.19	0.42	1.02	1.61	2.22	3.51	5.02	
	216.18	1.34	0.78	School	0.69	0.94	1.15	1.25	1.34	1.44	1.54	1.75	2.00	
70	220.91	0.91	4.76	Student	-3.10	-1.59	-0.30	0.31	0.91	1.50	2.11	3.40	4.91	
	216.99	1.35	0.78	School	0.70	0.94	1.16	1.26	1.35	1.45	1.55	1.76	2.01	
75	222.91	0.79	4.76	Student	-3.22	-1.71	-0.42	0.19	0.79	1.38	1.99	3.28	4.79	
	217.86	1.36	0.78	School	0.71	0.95	1.17	1.26	1.36	1.46	1.56	1.77	2.02	
80	225.13	0.65	4.76	Student	-3.35	-1.84	-0.55	0.06	0.65	1.25	1.86	3.15	4.66	
	218.83	1.37	0.78	School	0.72	0.96	1.18	1.28	1.37	1.47	1.57	1.78	2.03	
85	227.72	0.50	4.76	Student	-3.51	-2.00	-0.71	-0.10	0.50	1.10	1.71	3.00	4.51	
	219.96	1.38	0.78	School	0.73	0.98	1.19	1.29	1.38	1.48	1.58	1.79	2.04	
90	230.98	0.31	4.76	Student	-3.70	-2.19	-0.90	-0.29	0.31	0.90	1.51	2.80	4.31	
	221.38	1.40	0.78	School	0.75	0.99	1.20	1.30	1.40	1.50	1.60	1.81	2.06	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.31: Language Usage Grade 7 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	195.13	5.49	5.40	Student	0.95	2.66	4.12	4.81	5.49	6.17	6.86	8.32	10.04	
	205.44	3.76	1.43	School	2.55	3.01	3.39	3.58	3.76	3.94	4.12	4.51	4.96	
20	201.35	4.73	5.40	Student	0.19	1.90	3.36	4.05	4.73	5.41	6.10	7.56	9.28	
	208.11	3.59	1.43	School	2.39	2.84	3.23	3.41	3.59	3.77	3.96	4.34	4.80	
25	203.71	4.44	5.40	Student	-0.10	1.61	3.07	3.76	4.44	5.12	5.81	7.27	8.99	
	209.13	3.53	1.43	School	2.32	2.78	3.17	3.35	3.53	3.71	3.89	4.28	4.74	
30	205.83	4.18	5.40	Student	-0.36	1.35	2.81	3.50	4.18	4.86	5.55	7.01	8.73	
	210.04	3.47	1.43	School	2.27	2.72	3.11	3.29	3.47	3.65	3.84	4.23	4.68	
35	207.79	3.94	5.40	Student	-0.60	1.11	2.57	3.26	3.94	4.62	5.31	6.77	8.49	
	210.89	3.42	1.43	School	2.21	2.67	3.06	3.24	3.42	3.60	3.78	4.17	4.63	
40	209.65	3.71	5.40	Student	-0.83	0.88	2.35	3.04	3.71	4.39	5.08	6.55	8.26	
	211.69	3.37	1.43	School	2.17	2.62	3.01	3.19	3.37	3.55	3.74	4.12	4.58	
45	211.46	3.49	5.40	Student	-1.05	0.66	2.13	2.82	3.49	4.17	4.86	6.33	8.04	
	212.47	3.32	1.43	School	2.12	2.57	2.96	3.14	3.32	3.50	3.69	4.08	4.53	
48	212.52	3.36	5.40	Student	-1.18	0.53	2.00	2.68	3.36	4.04	4.73	6.19	7.91	
	212.93	3.30	1.43	School	2.09	2.54	2.93	3.12	3.30	3.48	3.66	4.05	4.50	
50	213.23	3.28	5.40	Student	-1.27	0.45	1.91	2.60	3.28	3.96	4.64	6.11	7.82	
	213.23	3.28	1.43	School	2.07	2.52	2.91	3.10	3.28	3.46	3.64	4.03	4.48	
52	213.94	3.19	5.40	Student	-1.35	0.36	1.82	2.51	3.19	3.87	4.56	6.02	7.73	
	213.54	3.26	1.43	School	2.05	2.51	2.89	3.08	3.26	3.44	3.62	4.01	4.46	
55	215.01	3.06	5.40	Student	-1.48	0.23	1.69	2.38	3.06	3.74	4.43	5.89	7.60	
	214.00	3.23	1.43	School	2.02	2.48	2.87	3.05	3.23	3.41	3.59	3.98	4.44	
60	216.81	2.84	5.40	Student	-1.71	0.01	1.47	2.16	2.84	3.52	4.21	5.67	7.38	
	214.77	3.18	1.43	School	1.97	2.43	2.82	3.00	3.18	3.36	3.54	3.93	4.39	
65	218.67	2.61	5.40	Student	-1.93	-0.22	1.24	1.93	2.61	3.29	3.98	5.44	7.16	
	215.58	3.13	1.43	School	1.93	2.38	2.77	2.95	3.13	3.31	3.50	3.88	4.34	
70	220.64	2.37	5.40	Student	-2.17	-0.46	1.00	1.69	2.37	3.05	3.74	5.20	6.92	
	216.42	3.08	1.43	School	1.87	2.33	2.72	2.90	3.08	3.26	3.44	3.83	4.29	
75	222.76	2.11	5.40	Student	-2.43	-0.72	0.74	1.43	2.11	2.79	3.48	4.94	6.66	
	217.33	3.02	1.43	School	1.82	2.27	2.66	2.84	3.02	3.20	3.39	3.78	4.23	
80	225.12	1.82	5.40	Student	-2.72	-1.01	0.45	1.14	1.82	2.50	3.19	4.65	6.37	
	218.35	2.96	1.43	School	1.75	2.21	2.60	2.78	2.96	3.14	3.32	3.71	4.17	
85	227.87	1.49	5.40	Student	-3.06	-1.35	0.12	0.81	1.49	2.16	2.85	4.32	6.03	
	219.54	2.89	1.43	School	1.68	2.14	2.52	2.71	2.89	3.07	3.25	3.64	4.09	
90	231.33	1.06	5.40	Student	-3.48	-1.77	-0.31	0.38	1.06	1.74	2.43	3.89	5.61	
	221.03	2.80	1.43	School	1.59	2.04	2.43	2.62	2.80	2.98	3.16	3.55	4.00	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.32: Language Usage Grade 7 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	195.83	5.99	5.98	Student	0.95	2.85	4.47	5.24	5.99	6.74	7.50	9.13	11.02
	206.27	3.91	1.70	School	2.48	3.02	3.48	3.70	3.91	4.13	4.34	4.81	5.35
20	202.27	4.97	5.98	Student	-0.07	1.83	3.45	4.22	4.97	5.72	6.48	8.11	10.00
	209.13	3.60	1.70	School	2.17	2.71	3.17	3.39	3.60	3.82	4.04	4.50	5.04
25	204.72	4.58	5.98	Student	-0.46	1.44	3.06	3.83	4.58	5.33	6.10	7.72	9.61
	210.21	3.49	1.70	School	2.05	2.59	3.05	3.27	3.49	3.70	3.92	4.38	4.92
30	206.92	4.23	5.98	Student	-0.80	1.09	2.72	3.48	4.23	4.98	5.75	7.37	9.27
	211.19	3.38	1.70	School	1.95	2.49	2.95	3.17	3.38	3.60	3.81	4.28	4.82
35	208.95	3.91	5.98	Student	-1.13	0.77	2.39	3.16	3.91	4.66	5.42	7.05	8.94
	212.09	3.28	1.70	School	1.85	2.39	2.85	3.07	3.28	3.50	3.72	4.18	4.72
40	210.89	3.60	5.98	Student	-1.43	0.46	2.09	2.85	3.60	4.35	5.12	6.74	8.64
	212.95	3.19	1.70	School	1.76	2.30	2.76	2.98	3.19	3.41	3.62	4.08	4.63
45	212.76	3.31	5.98	Student	-1.73	0.17	1.79	2.55	3.31	4.06	4.82	6.44	8.34
	213.78	3.10	1.70	School	1.67	2.21	2.67	2.89	3.10	3.32	3.53	4.00	4.54
48	213.86	3.13	5.98	Student	-1.91	-0.01	1.61	2.38	3.13	3.88	4.65	6.27	8.17
	214.27	3.05	1.70	School	1.61	2.15	2.62	2.83	3.05	3.26	3.48	3.94	4.48
50	214.60	3.01	5.98	Student	-2.02	-0.12	1.50	2.26	3.01	3.77	4.53	6.15	8.05
	214.60	3.01	1.70	School	1.58	2.12	2.58	2.80	3.01	3.23	3.45	3.91	4.45
52	215.33	2.90	5.98	Student	-2.14	-0.24	1.38	2.15	2.90	3.65	4.41	6.03	7.93
	214.92	2.98	1.70	School	1.54	2.08	2.55	2.76	2.98	3.19	3.41	3.87	4.41
55	216.44	2.72	5.98	Student	-2.31	-0.42	1.21	1.97	2.72	3.47	4.24	5.86	7.76
	215.41	2.93	1.70	School	1.49	2.03	2.49	2.71	2.93	3.14	3.36	3.82	4.36
60	218.31	2.43	5.98	Student	-2.61	-0.71	0.91	1.67	2.43	3.18	3.94	5.56	7.46
	216.24	2.84	1.70	School	1.40	1.94	2.40	2.62	2.84	3.05	3.27	3.73	4.27
65	220.24	2.12	5.98	Student	-2.92	-1.02	0.60	1.37	2.12	2.87	3.63	5.26	7.15
	217.10	2.74	1.70	School	1.31	1.85	2.31	2.53	2.74	2.96	3.17	3.64	4.18
70	222.28	1.80	5.98	Student	-3.24	-1.34	0.28	1.04	1.80	2.55	3.31	4.93	6.83
	218.00	2.65	1.70	School	1.21	1.75	2.21	2.43	2.65	2.86	3.08	3.54	4.08
75	224.47	1.45	5.98	Student	-3.59	-1.69	-0.07	0.70	1.45	2.20	2.96	4.58	6.48
	218.98	2.54	1.70	School	1.11	1.65	2.11	2.33	2.54	2.75	2.97	3.43	3.97
80	226.92	1.06	5.98	Student	-3.98	-2.08	-0.46	0.31	1.06	1.81	2.57	4.20	6.09
	220.06	2.42	1.70	School	0.99	1.53	1.99	2.21	2.42	2.64	2.85	3.32	3.86
85	229.77	0.61	5.98	Student	-4.43	-2.53	-0.91	-0.15	0.61	1.36	2.12	3.74	5.64
	221.33	2.29	1.70	School	0.85	1.39	1.85	2.07	2.29	2.50	2.72	3.18	3.72
90	233.36	0.04	5.98	Student	-5.00	-3.10	-1.48	-0.71	0.04	0.79	1.55	3.17	5.07
	222.92	2.11	1.70	School	0.68	1.22	1.68	1.90	2.11	2.33	2.55	3.01	3.55

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.33: Language Usage Grade 7 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth										
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	196.31	4.33	6.32	Student	-0.98	1.02	2.73	3.54	4.33	5.13	5.93	7.65	9.65	
	206.53	3.09	1.76	School	1.61	2.17	2.65	2.87	3.09	3.31	3.54	4.01	4.57	
20	202.39	3.94	6.32	Student	-1.38	0.63	2.34	3.15	3.94	4.73	5.54	7.25	9.26	
	209.10	3.12	1.76	School	1.65	2.20	2.68	2.90	3.12	3.34	3.57	4.05	4.60	
25	204.70	3.79	6.32	Student	-1.53	0.48	2.19	3.00	3.79	4.58	5.39	7.10	9.11	
	210.08	3.14	1.76	School	1.66	2.21	2.69	2.92	3.14	3.36	3.58	4.06	4.61	
30	206.77	3.66	6.32	Student	-1.66	0.34	2.06	2.86	3.66	4.45	5.26	6.97	8.97	
	210.95	3.15	1.76	School	1.67	2.23	2.70	2.93	3.15	3.37	3.59	4.07	4.63	
35	208.69	3.53	6.32	Student	-1.78	0.22	1.93	2.74	3.53	4.32	5.13	6.84	8.85	
	211.77	3.16	1.76	School	1.68	2.24	2.71	2.94	3.16	3.38	3.60	4.08	4.64	
40	210.52	3.41	6.32	Student	-1.90	0.10	1.81	2.62	3.41	4.21	5.01	6.72	8.73	
	212.54	3.17	1.76	School	1.69	2.25	2.72	2.95	3.17	3.39	3.61	4.09	4.65	
45	212.28	3.30	6.32	Student	-2.02	-0.01	1.70	2.50	3.30	4.09	4.90	6.61	8.61	
	213.28	3.18	1.76	School	1.70	2.25	2.73	2.96	3.18	3.40	3.62	4.10	4.65	
48	213.32	3.23	6.32	Student	-2.09	-0.08	1.63	2.44	3.23	4.02	4.83	6.54	8.55	
	213.72	3.18	1.76	School	1.70	2.26	2.74	2.96	3.18	3.40	3.63	4.10	4.66	
50	214.02	3.18	6.32	Student	-2.13	-0.13	1.58	2.39	3.18	3.98	4.79	6.50	8.50	
	214.02	3.18	1.76	School	1.71	2.26	2.74	2.96	3.18	3.41	3.63	4.11	4.66	
52	214.71	3.14	6.32	Student	-2.18	-0.17	1.54	2.35	3.14	3.93	4.74	6.45	8.46	
	214.31	3.19	1.76	School	1.71	2.27	2.74	2.97	3.19	3.41	3.63	4.11	4.67	
55	215.75	3.07	6.32	Student	-2.24	-0.24	1.47	2.28	3.07	3.87	4.67	6.38	8.39	
	214.75	3.19	1.76	School	1.72	2.27	2.75	2.97	3.19	3.41	3.64	4.12	4.67	
60	217.52	2.96	6.32	Student	-2.36	-0.35	1.36	2.16	2.96	3.75	4.56	6.27	8.27	
	215.50	3.20	1.76	School	1.72	2.28	2.76	2.98	3.20	3.42	3.65	4.12	4.68	
65	219.34	2.84	6.32	Student	-2.48	-0.47	1.24	2.05	2.84	3.63	4.44	6.15	8.15	
	216.27	3.21	1.76	School	1.73	2.29	2.77	2.99	3.21	3.43	3.66	4.13	4.69	
70	221.27	2.71	6.32	Student	-2.60	-0.60	1.11	1.92	2.71	3.51	4.31	6.03	8.03	
	217.08	3.22	1.76	School	1.74	2.30	2.78	3.00	3.22	3.44	3.67	4.14	4.70	
75	223.34	2.58	6.32	Student	-2.74	-0.73	0.98	1.79	2.58	3.37	4.18	5.89	7.90	
	217.96	3.23	1.76	School	1.76	2.31	2.79	3.01	3.23	3.45	3.68	4.16	4.71	
80	225.65	2.43	6.32	Student	-2.89	-0.88	0.83	1.64	2.43	3.22	4.03	5.74	7.75	
	218.94	3.25	1.76	School	1.77	2.32	2.80	3.03	3.25	3.47	3.69	4.17	4.72	
85	228.34	2.26	6.32	Student	-3.06	-1.06	0.66	1.46	2.26	3.05	3.86	5.57	7.57	
	220.08	3.26	1.76	School	1.78	2.34	2.81	3.04	3.26	3.48	3.71	4.18	4.74	
90	231.73	2.04	6.32	Student	-3.28	-1.28	0.44	1.24	2.04	2.83	3.64	5.35	7.35	
	221.51	3.28	1.76	School	1.80	2.36	2.83	3.06	3.28	3.50	3.72	4.20	4.76	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.34: Language Usage Grade 7 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	196.31	5.78	6.39	Student	0.40	2.43	4.16	4.97	5.78	6.58	7.39	9.13	11.15
	206.53	3.72	1.88	School	2.14	2.74	3.25	3.49	3.72	3.96	4.20	4.71	5.30
20	202.39	5.03	6.39	Student	-0.35	1.68	3.41	4.22	5.03	5.83	6.64	8.38	10.40
	209.10	3.68	1.88	School	2.10	2.69	3.20	3.44	3.68	3.91	4.15	4.66	5.26
25	204.70	4.74	6.39	Student	-0.64	1.39	3.12	3.94	4.74	5.54	6.36	8.09	10.12
	210.08	3.66	1.88	School	2.08	2.68	3.19	3.43	3.66	3.90	4.14	4.64	5.24
30	206.77	4.49	6.39	Student	-0.89	1.13	2.87	3.68	4.49	5.29	6.10	7.84	9.86
	210.95	3.65	1.88	School	2.07	2.66	3.17	3.41	3.65	3.88	4.12	4.63	5.22
35	208.69	4.25	6.39	Student	-1.13	0.90	2.63	3.45	4.25	5.05	5.87	7.60	9.63
	211.77	3.63	1.88	School	2.05	2.65	3.16	3.40	3.63	3.87	4.11	4.62	5.21
40	210.52	4.02	6.39	Student	-1.35	0.67	2.40	3.22	4.02	4.83	5.64	7.37	9.40
	212.54	3.62	1.88	School	2.04	2.63	3.14	3.38	3.62	3.85	4.09	4.60	5.20
45	212.28	3.81	6.39	Student	-1.57	0.46	2.19	3.00	3.81	4.61	5.42	7.16	9.18
	213.28	3.60	1.88	School	2.03	2.62	3.13	3.37	3.60	3.84	4.08	4.59	5.18
48	213.32	3.68	6.39	Student	-1.70	0.33	2.06	2.87	3.68	4.48	5.30	7.03	9.05
	213.72	3.60	1.88	School	2.02	2.61	3.12	3.36	3.60	3.83	4.07	4.58	5.18
50	214.02	3.59	6.39	Student	-1.79	0.24	1.97	2.79	3.59	4.39	5.21	6.94	8.97
	214.02	3.59	1.88	School	2.01	2.61	3.12	3.36	3.59	3.83	4.07	4.58	5.17
52	214.71	3.51	6.39	Student	-1.87	0.16	1.89	2.70	3.51	4.31	5.12	6.86	8.88
	214.31	3.59	1.88	School	2.01	2.60	3.11	3.35	3.59	3.82	4.06	4.57	5.17
55	215.75	3.38	6.39	Student	-2.00	0.03	1.76	2.57	3.38	4.18	5.00	6.73	8.75
	214.75	3.58	1.88	School	2.00	2.59	3.10	3.34	3.58	3.81	4.05	4.56	5.16
60	217.52	3.16	6.39	Student	-2.22	-0.19	1.54	2.36	3.16	3.96	4.78	6.51	8.54
	215.50	3.57	1.88	School	1.99	2.58	3.09	3.33	3.57	3.80	4.04	4.55	5.14
65	219.34	2.94	6.39	Student	-2.44	-0.42	1.32	2.13	2.94	3.74	4.55	6.29	8.31
	216.27	3.55	1.88	School	1.97	2.57	3.08	3.32	3.55	3.79	4.03	4.54	5.13
70	221.27	2.70	6.39	Student	-2.68	-0.65	1.08	1.90	2.70	3.50	4.32	6.05	8.08
	217.08	3.54	1.88	School	1.96	2.55	3.06	3.30	3.54	3.77	4.01	4.52	5.12
75	223.34	2.44	6.39	Student	-2.93	-0.91	0.82	1.64	2.44	3.25	4.06	5.79	7.82
	217.96	3.52	1.88	School	1.94	2.54	3.05	3.29	3.52	3.76	4.00	4.51	5.10
80	225.65	2.16	6.39	Student	-3.22	-1.19	0.54	1.35	2.16	2.96	3.78	5.51	7.53
	218.94	3.51	1.88	School	1.93	2.52	3.03	3.27	3.51	3.74	3.98	4.49	5.08
85	228.34	1.83	6.39	Student	-3.55	-1.52	0.21	1.02	1.83	2.63	3.44	5.18	7.20
	220.08	3.49	1.88	School	1.91	2.50	3.01	3.25	3.49	3.72	3.96	4.47	5.06
90	231.73	1.41	6.39	Student	-3.97	-1.94	-0.21	0.60	1.41	2.21	3.03	4.76	6.78
	221.51	3.46	1.88	School	1.88	2.48	2.98	3.22	3.46	3.70	3.94	4.44	5.04

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.35: Language Usage Grade 7 From Fall To Winter Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	196.31	4.10	4.98	Student	-0.10	1.48	2.83	3.47	4.10	4.72	5.36	6.71	8.29	
	206.53	2.57	1.07	School	1.66	2.00	2.29	2.43	2.57	2.70	2.84	3.13	3.47	
20	202.39	3.54	4.98	Student	-0.65	0.93	2.28	2.92	3.54	4.17	4.81	6.16	7.74	
	209.10	2.54	1.07	School	1.64	1.98	2.27	2.41	2.54	2.67	2.81	3.10	3.44	
25	204.70	3.34	4.98	Student	-0.86	0.72	2.07	2.71	3.34	3.96	4.60	5.95	7.53	
	210.08	2.53	1.07	School	1.63	1.97	2.26	2.40	2.53	2.66	2.80	3.09	3.43	
30	206.77	3.15	4.98	Student	-1.05	0.53	1.89	2.52	3.15	3.77	4.41	5.76	7.34	
	210.95	2.52	1.07	School	1.62	1.96	2.25	2.39	2.52	2.66	2.79	3.08	3.42	
35	208.69	2.97	4.98	Student	-1.22	0.36	1.71	2.35	2.97	3.60	4.24	5.59	7.17	
	211.77	2.51	1.07	School	1.61	1.95	2.24	2.38	2.51	2.65	2.78	3.08	3.42	
40	210.52	2.81	4.98	Student	-1.39	0.19	1.55	2.18	2.81	3.43	4.07	5.42	7.00	
	212.54	2.51	1.07	School	1.60	1.94	2.23	2.37	2.51	2.64	2.78	3.07	3.41	
45	212.28	2.65	4.98	Student	-1.55	0.03	1.39	2.02	2.65	3.27	3.91	5.26	6.84	
	213.28	2.50	1.07	School	1.60	1.94	2.23	2.36	2.50	2.63	2.77	3.06	3.40	
48	213.32	2.55	4.98	Student	-1.64	-0.06	1.29	1.93	2.55	3.18	3.82	5.17	6.75	
	213.72	2.49	1.07	School	1.59	1.93	2.22	2.36	2.49	2.63	2.77	3.06	3.40	
50	214.02	2.49	4.98	Student	-1.70	-0.12	1.23	1.86	2.49	3.12	3.75	5.10	6.68	
	214.02	2.49	1.07	School	1.59	1.93	2.22	2.36	2.49	2.63	2.76	3.05	3.39	
52	214.71	2.43	4.98	Student	-1.77	-0.19	1.17	1.80	2.43	3.05	3.69	5.04	6.62	
	214.31	2.49	1.07	School	1.58	1.93	2.22	2.35	2.49	2.62	2.76	3.05	3.39	
55	215.75	2.33	4.98	Student	-1.86	-0.28	1.07	1.71	2.33	2.96	3.60	4.95	6.53	
	214.75	2.48	1.07	School	1.58	1.92	2.21	2.35	2.48	2.62	2.75	3.05	3.39	
60	217.52	2.17	4.98	Student	-2.02	-0.44	0.91	1.55	2.17	2.80	3.44	4.79	6.37	
	215.50	2.48	1.07	School	1.57	1.91	2.20	2.34	2.48	2.61	2.75	3.04	3.38	
65	219.34	2.01	4.98	Student	-2.19	-0.61	0.75	1.38	2.01	2.63	3.27	4.62	6.20	
	216.27	2.47	1.07	School	1.57	1.91	2.20	2.33	2.47	2.60	2.74	3.03	3.37	
70	221.27	1.83	4.98	Student	-2.36	-0.78	0.57	1.21	1.83	2.46	3.10	4.45	6.03	
	217.08	2.46	1.07	School	1.56	1.90	2.19	2.32	2.46	2.59	2.73	3.02	3.36	
75	223.34	1.65	4.98	Student	-2.55	-0.97	0.38	1.02	1.65	2.27	2.91	4.26	5.84	
	217.96	2.45	1.07	School	1.55	1.89	2.18	2.32	2.45	2.59	2.72	3.01	3.35	
80	225.65	1.44	4.98	Student	-2.76	-1.18	0.17	0.81	1.44	2.06	2.70	4.05	5.63	
	218.94	2.44	1.07	School	1.54	1.88	2.17	2.31	2.44	2.58	2.71	3.00	3.34	
85	228.34	1.19	4.98	Student	-3.00	-1.42	-0.07	0.57	1.19	1.82	2.45	3.80	5.39	
	220.08	2.43	1.07	School	1.53	1.87	2.16	2.29	2.43	2.56	2.70	2.99	3.33	
90	231.73	0.88	4.98	Student	-3.31	-1.73	-0.38	0.26	0.88	1.51	2.15	3.50	5.08	
	221.51	2.42	1.07	School	1.51	1.85	2.14	2.28	2.42	2.55	2.69	2.98	3.32	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.36: Language Usage Grade 7 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	199.18	1.95	4.72	Student	-2.02	-0.53	0.75	1.36	1.95	2.54	3.14	4.42	5.92	
	208.97	0.97	0.80	School	0.30	0.55	0.77	0.87	0.97	1.07	1.17	1.39	1.64	
20	205.13	1.66	4.72	Student	-2.32	-0.82	0.46	1.06	1.66	2.25	2.85	4.13	5.63	
	211.56	1.01	0.80	School	0.34	0.60	0.81	0.91	1.01	1.11	1.22	1.43	1.69	
25	207.39	1.55	4.72	Student	-2.43	-0.93	0.35	0.95	1.55	2.14	2.74	4.02	5.52	
	212.54	1.03	0.80	School	0.36	0.61	0.83	0.93	1.03	1.13	1.23	1.45	1.70	
30	209.42	1.45	4.72	Student	-2.53	-1.03	0.25	0.85	1.45	2.04	2.64	3.92	5.42	
	213.42	1.05	0.80	School	0.37	0.63	0.84	0.95	1.05	1.15	1.25	1.47	1.72	
35	211.30	1.36	4.72	Student	-2.62	-1.12	0.16	0.76	1.36	1.95	2.55	3.83	5.33	
	214.24	1.06	0.80	School	0.39	0.64	0.86	0.96	1.06	1.16	1.26	1.48	1.73	
40	213.08	1.27	4.72	Student	-2.70	-1.21	0.07	0.68	1.27	1.86	2.46	3.74	5.24	
	215.02	1.08	0.80	School	0.40	0.66	0.87	0.97	1.08	1.18	1.28	1.49	1.75	
45	214.81	1.18	4.72	Student	-2.79	-1.29	-0.01	0.59	1.18	1.78	2.38	3.66	5.16	
	215.77	1.09	0.80	School	0.42	0.67	0.89	0.99	1.09	1.19	1.29	1.51	1.76	
48	215.83	1.13	4.72	Student	-2.84	-1.34	-0.06	0.54	1.13	1.73	2.33	3.61	5.11	
	216.21	1.10	0.80	School	0.42	0.68	0.89	1.00	1.10	1.20	1.30	1.52	1.77	
50	216.51	1.10	4.72	Student	-2.87	-1.37	-0.09	0.51	1.10	1.69	2.30	3.58	5.07	
	216.51	1.10	0.80	School	0.43	0.68	0.90	1.00	1.10	1.20	1.30	1.52	1.77	
52	217.19	1.07	4.72	Student	-2.91	-1.41	-0.13	0.47	1.07	1.66	2.26	3.54	5.04	
	216.80	1.11	0.80	School	0.43	0.69	0.90	1.01	1.11	1.21	1.31	1.53	1.78	
55	218.21	1.02	4.72	Student	-2.96	-1.46	-0.18	0.42	1.02	1.61	2.21	3.49	4.99	
	217.25	1.11	0.80	School	0.44	0.69	0.91	1.01	1.11	1.21	1.32	1.53	1.79	
60	219.93	0.93	4.72	Student	-3.04	-1.54	-0.26	0.34	0.93	1.53	2.13	3.41	4.91	
	218.00	1.13	0.80	School	0.45	0.71	0.92	1.03	1.13	1.23	1.33	1.55	1.80	
65	221.72	0.85	4.72	Student	-3.13	-1.63	-0.35	0.25	0.85	1.44	2.04	3.32	4.82	
	218.78	1.14	0.80	School	0.47	0.72	0.94	1.04	1.14	1.24	1.34	1.56	1.81	
70	223.60	0.75	4.72	Student	-3.22	-1.72	-0.44	0.16	0.75	1.35	1.95	3.23	4.73	
	219.59	1.16	0.80	School	0.48	0.74	0.95	1.05	1.16	1.26	1.36	1.57	1.83	
75	225.63	0.66	4.72	Student	-3.32	-1.82	-0.54	0.06	0.66	1.25	1.85	3.13	4.63	
	220.48	1.17	0.80	School	0.50	0.75	0.97	1.07	1.17	1.27	1.37	1.59	1.84	
80	227.89	0.54	4.72	Student	-3.43	-1.93	-0.65	-0.05	0.54	1.14	1.74	3.02	4.52	
	221.46	1.19	0.80	School	0.52	0.77	0.99	1.09	1.19	1.29	1.39	1.61	1.86	
85	230.52	0.42	4.72	Student	-3.56	-2.06	-0.78	-0.18	0.42	1.01	1.61	2.89	4.39	
	222.61	1.21	0.80	School	0.54	0.79	1.01	1.11	1.21	1.31	1.41	1.63	1.88	
90	233.83	0.25	4.72	Student	-3.72	-2.22	-0.94	-0.34	0.25	0.85	1.45	2.73	4.23	
	224.05	1.23	0.80	School	0.56	0.81	1.03	1.13	1.23	1.33	1.44	1.65	1.91	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.37: Language Usage Grade 8 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	196.77	5.25	6.07	Student	0.14	2.06	3.71	4.48	5.25	6.01	6.78	8.43	10.35
	206.71	3.11	1.67	School	1.70	2.23	2.68	2.90	3.11	3.32	3.53	3.98	4.51
20	203.04	4.49	6.07	Student	-0.62	1.30	2.95	3.72	4.49	5.25	6.02	7.67	9.59
	209.57	3.08	1.67	School	1.67	2.20	2.66	2.87	3.08	3.29	3.51	3.96	4.49
25	205.43	4.20	6.07	Student	-0.91	1.02	2.66	3.44	4.20	4.96	5.74	7.38	9.30
	210.66	3.07	1.67	School	1.66	2.19	2.65	2.86	3.07	3.28	3.50	3.95	4.48
30	207.57	3.94	6.07	Student	-1.17	0.76	2.40	3.18	3.94	4.70	5.48	7.12	9.05
	211.63	3.06	1.67	School	1.66	2.19	2.64	2.85	3.06	3.27	3.49	3.94	4.47
35	209.55	3.70	6.07	Student	-1.41	0.52	2.16	2.94	3.70	4.46	5.24	6.88	8.81
	212.54	3.05	1.67	School	1.65	2.18	2.63	2.84	3.05	3.27	3.48	3.93	4.46
40	211.43	3.47	6.07	Student	-1.64	0.29	1.93	2.71	3.47	4.23	5.01	6.65	8.58
	213.40	3.05	1.67	School	1.64	2.17	2.62	2.84	3.05	3.26	3.47	3.92	4.46
45	213.25	3.25	6.07	Student	-1.86	0.07	1.71	2.49	3.25	4.01	4.79	6.43	8.36
	214.23	3.04	1.67	School	1.63	2.16	2.62	2.83	3.04	3.25	3.46	3.92	4.45
48	214.33	3.12	6.07	Student	-1.99	-0.06	1.58	2.36	3.12	3.88	4.66	6.30	8.23
	214.72	3.04	1.67	School	1.63	2.16	2.61	2.83	3.04	3.25	3.46	3.91	4.44
50	215.05	3.03	6.07	Student	-2.07	-0.15	1.50	2.27	3.03	3.80	4.57	6.21	8.14
	215.05	3.03	1.67	School	1.62	2.16	2.61	2.82	3.03	3.24	3.46	3.91	4.44
52	215.76	2.95	6.07	Student	-2.16	-0.24	1.41	2.18	2.95	3.71	4.48	6.13	8.05
	215.37	3.03	1.67	School	1.62	2.15	2.61	2.82	3.03	3.24	3.45	3.91	4.44
55	216.84	2.82	6.07	Student	-2.29	-0.37	1.28	2.05	2.82	3.58	4.35	6.00	7.92
	215.86	3.03	1.67	School	1.62	2.15	2.60	2.82	3.03	3.24	3.45	3.90	4.43
60	218.66	2.59	6.07	Student	-2.51	-0.59	1.06	1.83	2.59	3.36	4.13	5.78	7.70
	216.69	3.02	1.67	School	1.61	2.14	2.59	2.81	3.02	3.23	3.44	3.90	4.43
65	220.54	2.37	6.07	Student	-2.74	-0.82	0.83	1.60	2.37	3.13	3.90	5.55	7.47
	217.55	3.01	1.67	School	1.60	2.13	2.59	2.80	3.01	3.22	3.43	3.89	4.42
70	222.52	2.13	6.07	Student	-2.98	-1.06	0.59	1.36	2.13	2.89	3.66	5.31	7.23
	218.46	3.00	1.67	School	1.59	2.13	2.58	2.79	3.00	3.21	3.43	3.88	4.41
75	224.66	1.87	6.07	Student	-3.24	-1.31	0.33	1.10	1.87	2.63	3.40	5.05	6.97
	219.43	2.99	1.67	School	1.59	2.12	2.57	2.78	2.99	3.20	3.42	3.87	4.40
80	227.05	1.58	6.07	Student	-3.53	-1.60	0.04	0.82	1.58	2.34	3.12	4.76	6.69
	220.52	2.98	1.67	School	1.58	2.11	2.56	2.77	2.98	3.19	3.41	3.86	4.39
85	229.82	1.24	6.07	Student	-3.86	-1.94	-0.30	0.48	1.24	2.00	2.78	4.42	6.35
	221.79	2.97	1.67	School	1.56	2.10	2.55	2.76	2.97	3.18	3.40	3.85	4.38
90	233.32	0.82	6.07	Student	-4.29	-2.36	-0.72	0.06	0.82	1.58	2.36	4.00	5.93
	223.38	2.96	1.67	School	1.55	2.08	2.53	2.75	2.96	3.17	3.38	3.84	4.37

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.38: Language Usage Grade 8 From Last Spring To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	197.55	5.64	7.10	Student	-0.33	1.92	3.84	4.74	5.64	6.53	7.43	9.36	11.61
	207.74	2.94	2.13	School	1.14	1.82	2.40	2.67	2.94	3.21	3.48	4.06	4.73
20	204.00	4.63	7.10	Student	-1.34	0.91	2.83	3.74	4.63	5.52	6.43	8.35	10.60
	210.69	2.86	2.13	School	1.07	1.74	2.32	2.59	2.86	3.13	3.40	3.98	4.65
25	206.44	4.25	7.10	Student	-1.72	0.53	2.45	3.36	4.25	5.14	6.05	7.97	10.22
	211.81	2.83	2.13	School	1.04	1.71	2.29	2.56	2.83	3.10	3.37	3.95	4.63
30	208.64	3.91	7.10	Student	-2.06	0.19	2.11	3.02	3.91	4.80	5.71	7.63	9.88
	212.81	2.80	2.13	School	1.01	1.69	2.26	2.54	2.80	3.07	3.34	3.92	4.60
35	210.68	3.59	7.10	Student	-2.38	-0.13	1.79	2.70	3.59	4.48	5.39	7.31	9.56
	213.75	2.78	2.13	School	0.98	1.66	2.24	2.51	2.78	3.05	3.32	3.90	4.57
40	212.61	3.29	7.10	Student	-2.68	-0.43	1.49	2.40	3.29	4.18	5.09	7.01	9.26
	214.63	2.76	2.13	School	0.96	1.64	2.22	2.49	2.76	3.02	3.30	3.87	4.55
45	214.48	3.00	7.10	Student	-2.97	-0.72	1.20	2.11	3.00	3.89	4.80	6.72	8.97
	215.48	2.73	2.13	School	0.94	1.62	2.19	2.47	2.73	3.00	3.27	3.85	4.53
48	215.59	2.83	7.10	Student	-3.15	-0.89	1.03	1.93	2.83	3.72	4.62	6.55	8.80
	215.99	2.72	2.13	School	0.93	1.60	2.18	2.45	2.72	2.99	3.26	3.84	4.51
50	216.33	2.71	7.10	Student	-3.26	-1.01	0.91	1.82	2.71	3.60	4.51	6.43	8.68
	216.33	2.71	2.13	School	0.92	1.59	2.17	2.44	2.71	2.98	3.25	3.83	4.51
52	217.06	2.60	7.10	Student	-3.37	-1.12	0.80	1.71	2.60	3.49	4.39	6.32	8.57
	216.66	2.70	2.13	School	0.91	1.58	2.16	2.43	2.70	2.97	3.24	3.82	4.50
55	218.17	2.42	7.10	Student	-3.55	-1.30	0.63	1.53	2.42	3.32	4.22	6.15	8.40
	217.17	2.69	2.13	School	0.89	1.57	2.15	2.42	2.69	2.96	3.23	3.81	4.48
60	220.04	2.13	7.10	Student	-3.84	-1.59	0.34	1.24	2.13	3.02	3.93	5.85	8.10
	218.02	2.67	2.13	School	0.87	1.55	2.13	2.40	2.67	2.93	3.21	3.78	4.46
65	221.97	1.83	7.10	Student	-4.14	-1.89	0.03	0.94	1.83	2.72	3.63	5.55	7.80
	218.91	2.64	2.13	School	0.85	1.53	2.10	2.38	2.64	2.91	3.18	3.76	4.44
70	224.01	1.51	7.10	Student	-4.46	-2.21	-0.28	0.62	1.51	2.41	3.31	5.24	7.49
	219.84	2.62	2.13	School	0.82	1.50	2.08	2.35	2.62	2.89	3.16	3.74	4.41
75	226.21	1.17	7.10	Student	-4.80	-2.55	-0.63	0.28	1.17	2.06	2.97	4.89	7.14
	220.84	2.59	2.13	School	0.80	1.47	2.05	2.32	2.59	2.86	3.13	3.71	4.39
80	228.66	0.79	7.10	Student	-5.18	-2.93	-1.01	-0.10	0.79	1.68	2.59	4.51	6.76
	221.96	2.56	2.13	School	0.77	1.44	2.02	2.29	2.56	2.83	3.10	3.68	4.36
85	231.51	0.35	7.10	Student	-5.63	-3.38	-1.45	-0.55	0.35	1.24	2.14	4.07	6.32
	223.27	2.53	2.13	School	0.73	1.41	1.99	2.26	2.53	2.80	3.07	3.65	4.32
90	235.10	-0.21	7.10	Student	-6.19	-3.93	-2.01	-1.11	-0.21	0.68	1.58	3.51	5.76
	224.91	2.49	2.13	School	0.69	1.37	1.94	2.22	2.49	2.75	3.03	3.60	4.28

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.39: Language Usage Grade 8 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	198.01	2.32 7.32	Student	-3.84	-1.52	0.47	1.40	2.32	3.24	4.18	6.16	8.48	
	207.79	1.80 1.81	School	0.27	0.85	1.34	1.57	1.80	2.03	2.26	2.75	3.32	
20	204.25	2.27 7.32	Student	-3.89	-1.57	0.42	1.35	2.27	3.19	4.13	6.11	8.43	
	210.66	1.93 1.81	School	0.40	0.98	1.47	1.70	1.93	2.15	2.39	2.88	3.45	
25	206.61	2.25 7.32	Student	-3.91	-1.58	0.40	1.33	2.25	3.17	4.11	6.09	8.41	
	211.76	1.98 1.81	School	0.45	1.03	1.52	1.75	1.98	2.20	2.44	2.93	3.50	
30	208.74	2.24 7.32	Student	-3.92	-1.60	0.38	1.32	2.24	3.16	4.09	6.07	8.40	
	212.74	2.02 1.81	School	0.50	1.07	1.56	1.79	2.02	2.25	2.48	2.97	3.54	
35	210.71	2.22 7.32	Student	-3.94	-1.62	0.37	1.30	2.22	3.14	4.07	6.06	8.38	
	213.65	2.06 1.81	School	0.54	1.11	1.60	1.83	2.06	2.29	2.52	3.01	3.59	
40	212.58	2.20 7.32	Student	-3.95	-1.63	0.35	1.29	2.20	3.12	4.06	6.04	8.36	
	214.51	2.10 1.81	School	0.58	1.15	1.64	1.87	2.10	2.33	2.56	3.05	3.62	
45	214.39	2.19 7.32	Student	-3.97	-1.65	0.34	1.27	2.19	3.11	4.04	6.03	8.35	
	215.35	2.14 1.81	School	0.61	1.19	1.68	1.91	2.14	2.37	2.60	3.09	3.66	
48	215.46	2.18 7.32	Student	-3.98	-1.66	0.33	1.26	2.18	3.10	4.04	6.02	8.34	
	215.84	2.16 1.81	School	0.64	1.21	1.70	1.93	2.16	2.39	2.62	3.11	3.68	
50	216.17	2.18 7.32	Student	-3.98	-1.66	0.32	1.26	2.18	3.10	4.03	6.01	8.34	
	216.17	2.18 1.81	School	0.65	1.23	1.72	1.95	2.18	2.40	2.63	3.13	3.70	
52	216.88	2.17 7.32	Student	-3.99	-1.67	0.32	1.25	2.17	3.09	4.02	6.01	8.33	
	216.50	2.19 1.81	School	0.67	1.24	1.73	1.96	2.19	2.42	2.65	3.14	3.71	
55	217.95	2.16 7.32	Student	-4.00	-1.68	0.31	1.24	2.16	3.08	4.02	6.00	8.32	
	216.99	2.21 1.81	School	0.69	1.26	1.75	1.99	2.21	2.44	2.67	3.16	3.74	
60	219.76	2.15 7.32	Student	-4.01	-1.69	0.29	1.23	2.15	3.07	4.00	5.98	8.31	
	217.83	2.25 1.81	School	0.73	1.30	1.79	2.02	2.25	2.48	2.71	3.20	3.77	
65	221.63	2.13 7.32	Student	-4.03	-1.71	0.28	1.21	2.13	3.05	3.99	5.97	8.29	
	218.69	2.29 1.81	School	0.77	1.34	1.83	2.06	2.29	2.52	2.75	3.24	3.81	
70	223.60	2.12 7.32	Student	-4.04	-1.72	0.26	1.20	2.12	3.04	3.97	5.95	8.28	
	219.60	2.33 1.81	School	0.81	1.38	1.87	2.10	2.33	2.56	2.79	3.28	3.85	
75	225.73	2.10 7.32	Student	-4.06	-1.74	0.24	1.18	2.10	3.02	3.95	5.94	8.26	
	220.59	2.37 1.81	School	0.85	1.43	1.92	2.15	2.37	2.60	2.83	3.32	3.90	
80	228.10	2.08 7.32	Student	-4.08	-1.76	0.22	1.16	2.08	3.00	3.93	5.92	8.24	
	221.68	2.42 1.81	School	0.90	1.47	1.97	2.20	2.42	2.65	2.88	3.37	3.95	
85	230.86	2.06 7.32	Student	-4.10	-1.78	0.20	1.14	2.06	2.98	3.91	5.89	8.22	
	222.96	2.48 1.81	School	0.96	1.53	2.02	2.25	2.48	2.71	2.94	3.43	4.01	
90	234.33	2.03 7.32	Student	-4.13	-1.81	0.17	1.11	2.03	2.95	3.88	5.87	8.19	
	224.56	2.55 1.81	School	1.03	1.60	2.10	2.33	2.55	2.78	3.01	3.50	4.08	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.40: Language Usage Grade 8 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	198.01	5.11	7.01	Student	-0.79	1.44	3.34	4.23	5.11	5.99	6.89	8.79	11.01
	207.79	2.80	1.90	School	1.20	1.81	2.32	2.56	2.80	3.04	3.28	3.80	4.40
20	204.25	4.34	7.01	Student	-1.56	0.67	2.57	3.46	4.34	5.22	6.12	8.01	10.24
	210.66	2.82	1.90	School	1.22	1.83	2.34	2.59	2.82	3.06	3.31	3.82	4.42
25	206.61	4.05	7.01	Student	-1.85	0.37	2.27	3.17	4.05	4.93	5.82	7.72	9.94
	211.76	2.83	1.90	School	1.23	1.84	2.35	2.59	2.83	3.07	3.31	3.83	4.43
30	208.74	3.78	7.01	Student	-2.11	0.11	2.01	2.90	3.78	4.66	5.56	7.46	9.68
	212.74	2.84	1.90	School	1.24	1.84	2.36	2.60	2.84	3.08	3.32	3.84	4.44
35	210.71	3.54	7.01	Student	-2.36	-0.13	1.77	2.66	3.54	4.42	5.32	7.21	9.44
	213.65	2.85	1.90	School	1.25	1.85	2.36	2.61	2.85	3.08	3.33	3.84	4.45
40	212.58	3.31	7.01	Student	-2.59	-0.37	1.53	2.43	3.31	4.19	5.08	6.98	9.21
	214.51	2.85	1.90	School	1.25	1.86	2.37	2.61	2.85	3.09	3.33	3.85	4.45
45	214.39	3.09	7.01	Student	-2.81	-0.59	1.31	2.20	3.09	3.97	4.86	6.76	8.98
	215.35	2.86	1.90	School	1.26	1.86	2.38	2.62	2.86	3.10	3.34	3.86	4.46
48	215.46	2.95	7.01	Student	-2.94	-0.72	1.18	2.07	2.95	3.83	4.73	6.63	8.85
	215.84	2.86	1.90	School	1.26	1.87	2.38	2.62	2.86	3.10	3.34	3.86	4.46
50	216.17	2.86	7.01	Student	-3.03	-0.81	1.09	1.98	2.86	3.75	4.64	6.54	8.76
	216.17	2.86	1.90	School	1.27	1.87	2.38	2.63	2.86	3.10	3.35	3.86	4.46
52	216.88	2.78	7.01	Student	-3.12	-0.90	1.00	1.90	2.78	3.66	4.55	6.45	8.67
	216.50	2.87	1.90	School	1.27	1.87	2.39	2.63	2.87	3.11	3.35	3.86	4.47
55	217.95	2.64	7.01	Student	-3.25	-1.03	0.87	1.76	2.64	3.52	4.42	6.32	8.54
	216.99	2.87	1.90	School	1.27	1.87	2.39	2.63	2.87	3.11	3.35	3.87	4.47
60	219.76	2.42	7.01	Student	-3.48	-1.25	0.65	1.54	2.42	3.30	4.20	6.09	8.32
	217.83	2.88	1.90	School	1.28	1.88	2.40	2.64	2.88	3.12	3.36	3.87	4.48
65	221.63	2.19	7.01	Student	-3.71	-1.49	0.41	1.31	2.19	3.07	3.96	5.86	8.09
	218.69	2.88	1.90	School	1.28	1.89	2.40	2.64	2.88	3.12	3.36	3.88	4.48
70	223.60	1.95	7.01	Student	-3.95	-1.73	0.17	1.06	1.95	2.83	3.72	5.62	7.84
	219.60	2.89	1.90	School	1.29	1.89	2.41	2.65	2.89	3.13	3.37	3.89	4.49
75	225.73	1.68	7.01	Student	-4.21	-1.99	-0.09	0.80	1.68	2.56	3.46	5.36	7.58
	220.59	2.90	1.90	School	1.30	1.90	2.42	2.66	2.90	3.14	3.38	3.89	4.50
80	228.10	1.39	7.01	Student	-4.51	-2.29	-0.39	0.51	1.39	2.27	3.16	5.06	7.29
	221.68	2.91	1.90	School	1.31	1.91	2.42	2.67	2.91	3.14	3.39	3.90	4.50
85	230.86	1.05	7.01	Student	-4.85	-2.63	-0.73	0.17	1.05	1.93	2.82	4.72	6.94
	222.96	2.91	1.90	School	1.32	1.92	2.43	2.68	2.91	3.15	3.40	3.91	4.51
90	234.33	0.62	7.01	Student	-5.28	-3.06	-1.16	-0.26	0.62	1.50	2.39	4.29	6.51
	224.56	2.93	1.90	School	1.33	1.93	2.44	2.69	2.93	3.17	3.41	3.92	4.53

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.41: Language Usage Grade 8 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	198.01	3.54	5.25	Student	-0.88	0.79	2.21	2.88	3.54	4.20	4.87	6.29	7.95
	207.79	1.87	1.09	School	0.96	1.30	1.60	1.73	1.87	2.01	2.15	2.44	2.78
20	204.25	2.98	5.25	Student	-1.44	0.23	1.65	2.32	2.98	3.64	4.31	5.73	7.39
	210.66	1.88	1.09	School	0.97	1.31	1.61	1.75	1.88	2.02	2.16	2.45	2.80
25	206.61	2.76	5.25	Student	-1.65	0.01	1.44	2.11	2.76	3.42	4.09	5.52	7.18
	211.76	1.89	1.09	School	0.97	1.32	1.61	1.75	1.89	2.02	2.16	2.46	2.80
30	208.74	2.57	5.25	Student	-1.84	-0.18	1.24	1.91	2.57	3.23	3.90	5.33	6.99
	212.74	1.89	1.09	School	0.98	1.32	1.62	1.75	1.89	2.03	2.17	2.46	2.81
35	210.71	2.40	5.25	Student	-2.02	-0.36	1.07	1.74	2.40	3.06	3.73	5.15	6.81
	213.65	1.89	1.09	School	0.98	1.33	1.62	1.76	1.89	2.03	2.17	2.46	2.81
40	212.58	2.23	5.25	Student	-2.19	-0.52	0.90	1.57	2.23	2.89	3.56	4.98	6.64
	214.51	1.90	1.09	School	0.98	1.33	1.62	1.76	1.90	2.04	2.17	2.47	2.81
45	214.39	2.07	5.25	Student	-2.35	-0.69	0.74	1.41	2.07	2.73	3.40	4.82	6.48
	215.35	1.90	1.09	School	0.99	1.33	1.63	1.77	1.90	2.04	2.18	2.47	2.82
48	215.46	1.97	5.25	Student	-2.45	-0.78	0.64	1.31	1.97	2.63	3.30	4.72	6.39
	215.84	1.90	1.09	School	0.99	1.33	1.63	1.77	1.90	2.04	2.18	2.47	2.82
50	216.17	1.91	5.25	Student	-2.51	-0.85	0.58	1.25	1.91	2.56	3.23	4.66	6.32
	216.17	1.91	1.09	School	0.99	1.34	1.63	1.77	1.91	2.04	2.18	2.48	2.82
52	216.88	1.84	5.25	Student	-2.57	-0.91	0.51	1.18	1.84	2.50	3.17	4.59	6.26
	216.50	1.91	1.09	School	0.99	1.34	1.63	1.77	1.91	2.04	2.18	2.48	2.82
55	217.95	1.75	5.25	Student	-2.67	-1.01	0.42	1.09	1.75	2.40	3.07	4.50	6.16
	216.99	1.91	1.09	School	0.99	1.34	1.63	1.77	1.91	2.05	2.18	2.48	2.82
60	219.76	1.58	5.25	Student	-2.83	-1.17	0.25	0.92	1.58	2.24	2.91	4.33	6.00
	217.83	1.91	1.09	School	1.00	1.34	1.64	1.78	1.91	2.05	2.19	2.48	2.83
65	221.63	1.41	5.25	Student	-3.00	-1.34	0.09	0.76	1.41	2.07	2.74	4.17	5.83
	218.69	1.92	1.09	School	1.00	1.35	1.64	1.78	1.92	2.05	2.19	2.49	2.83
70	223.60	1.24	5.25	Student	-3.18	-1.51	-0.09	0.58	1.24	1.90	2.57	3.99	5.65
	219.60	1.92	1.09	School	1.01	1.35	1.64	1.78	1.92	2.06	2.20	2.49	2.83
75	225.73	1.05	5.25	Student	-3.37	-1.71	-0.28	0.39	1.05	1.71	2.38	3.80	5.46
	220.59	1.92	1.09	School	1.01	1.35	1.65	1.79	1.92	2.06	2.20	2.49	2.84
80	228.10	0.83	5.25	Student	-3.58	-1.92	-0.50	0.17	0.83	1.49	2.16	3.58	5.25
	221.68	1.93	1.09	School	1.01	1.36	1.65	1.79	1.93	2.07	2.20	2.50	2.84
85	230.86	0.59	5.25	Student	-3.83	-2.17	-0.74	-0.07	0.59	1.24	1.91	3.34	5.00
	222.96	1.93	1.09	School	1.02	1.36	1.66	1.80	1.93	2.07	2.21	2.50	2.85
90	234.33	0.27	5.25	Student	-4.14	-2.48	-1.06	-0.39	0.27	0.93	1.60	3.02	4.69
	224.56	1.94	1.09	School	1.03	1.37	1.67	1.80	1.94	2.08	2.22	2.51	2.86

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.42: Language Usage Grade 8 From Winter To Spring Conditional Growth Percentile

Start %ile	Status			Growth	CGP	Conditional Growth									
	RIT	Mean	SD			CGI	20	30	40	45	50	55	60	70	80
10	200.23	1.64	4.90	Student	-2.48	-0.93	0.40	1.03	1.64	2.26	2.88	4.21	5.77		
	209.54	0.76	0.80	School	0.09	0.34	0.56	0.66	0.76	0.86	0.97	1.18	1.44		
20	206.36	1.41	4.90	Student	-2.71	-1.16	0.17	0.79	1.41	2.02	2.65	3.98	5.53		
	212.47	0.83	0.80	School	0.16	0.41	0.63	0.73	0.83	0.93	1.03	1.25	1.51		
25	208.69	1.32	4.90	Student	-2.80	-1.25	0.08	0.70	1.32	1.93	2.56	3.89	5.44		
	213.59	0.86	0.80	School	0.18	0.44	0.65	0.76	0.86	0.96	1.06	1.28	1.53		
30	210.78	1.24	4.90	Student	-2.88	-1.33	-0.00	0.62	1.24	1.85	2.48	3.81	5.36		
	214.58	0.88	0.80	School	0.20	0.46	0.68	0.78	0.88	0.98	1.08	1.30	1.55		
35	212.71	1.16	4.90	Student	-2.96	-1.40	-0.08	0.55	1.16	1.78	2.41	3.73	5.29		
	215.51	0.90	0.80	School	0.23	0.48	0.70	0.80	0.90	1.00	1.10	1.32	1.58		
40	214.55	1.09	4.90	Student	-3.03	-1.47	-0.15	0.48	1.09	1.71	2.34	3.66	5.22		
	216.39	0.92	0.80	School	0.25	0.50	0.72	0.82	0.92	1.02	1.12	1.34	1.60		
45	216.33	1.03	4.90	Student	-3.10	-1.54	-0.21	0.41	1.03	1.64	2.27	3.59	5.15		
	217.24	0.94	0.80	School	0.27	0.52	0.74	0.84	0.94	1.04	1.14	1.36	1.61		
48	217.38	0.99	4.90	Student	-3.14	-1.58	-0.26	0.37	0.99	1.60	2.23	3.55	5.11		
	217.74	0.95	0.80	School	0.28	0.53	0.75	0.85	0.95	1.05	1.15	1.37	1.63		
50	218.08	0.96	4.90	Student	-3.16	-1.61	-0.28	0.34	0.96	1.57	2.20	3.53	5.08		
	218.08	0.96	0.80	School	0.28	0.54	0.76	0.86	0.96	1.06	1.16	1.38	1.63		
52	218.78	0.93	4.90	Student	-3.19	-1.64	-0.31	0.32	0.93	1.55	2.17	3.50	5.05		
	218.41	0.97	0.80	School	0.29	0.55	0.76	0.87	0.97	1.07	1.17	1.39	1.64		
55	219.83	0.89	4.90	Student	-3.23	-1.68	-0.35	0.28	0.89	1.51	2.13	3.46	5.01		
	218.92	0.98	0.80	School	0.30	0.56	0.78	0.88	0.98	1.08	1.18	1.40	1.65		
60	221.61	0.82	4.90	Student	-3.30	-1.74	-0.42	0.21	0.82	1.44	2.06	3.39	4.95		
	219.77	1.00	0.80	School	0.32	0.58	0.79	0.90	1.00	1.10	1.20	1.42	1.67		
65	223.44	0.75	4.90	Student	-3.37	-1.82	-0.49	0.14	0.75	1.37	1.99	3.32	4.88		
	220.64	1.02	0.80	School	0.34	0.60	0.81	0.92	1.02	1.12	1.22	1.44	1.69		
70	225.38	0.68	4.90	Student	-3.44	-1.89	-0.56	0.06	0.68	1.29	1.92	3.25	4.80		
	221.57	1.04	0.80	School	0.36	0.62	0.84	0.94	1.04	1.14	1.24	1.46	1.71		
75	227.47	0.60	4.90	Student	-3.52	-1.97	-0.64	-0.02	0.60	1.21	1.84	3.17	4.72		
	222.57	1.06	0.80	School	0.39	0.64	0.86	0.96	1.06	1.16	1.27	1.48	1.74		
80	229.80	0.51	4.90	Student	-3.61	-2.06	-0.73	-0.11	0.51	1.13	1.75	3.08	4.63		
	223.68	1.09	0.80	School	0.41	0.67	0.88	0.99	1.09	1.19	1.29	1.51	1.76		
85	232.51	0.41	4.90	Student	-3.72	-2.16	-0.83	-0.21	0.41	1.02	1.65	2.97	4.53		
	224.98	1.12	0.80	School	0.44	0.70	0.91	1.02	1.12	1.22	1.32	1.54	1.79		
90	235.92	0.28	4.90	Student	-3.85	-2.29	-0.97	-0.34	0.28	0.89	1.52	2.84	4.40		
	226.61	1.15	0.80	School	0.48	0.73	0.95	1.05	1.15	1.26	1.36	1.58	1.83		

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.43: Language Usage Grade 9 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20	30	40	45	50	55	60	70	80	
10	199.93	3.88	6.42	Student	-1.52	0.52	2.26	3.08	3.88	4.69	5.51	7.25	9.29	
	209.68	1.68	1.90	School	0.08	0.69	1.20	1.44	1.68	1.92	2.16	2.68	3.28	
20	206.29	2.99	6.42	Student	-2.42	-0.38	1.36	2.18	2.99	3.80	4.62	6.36	8.39	
	212.69	1.54	1.90	School	-0.05	0.55	1.06	1.30	1.54	1.78	2.02	2.54	3.14	
25	208.70	2.65	6.42	Student	-2.76	-0.72	1.02	1.84	2.65	3.46	4.28	6.02	8.05	
	213.84	1.49	1.90	School	-0.11	0.50	1.01	1.25	1.49	1.73	1.97	2.49	3.09	
30	210.87	2.34	6.42	Student	-3.06	-1.02	0.72	1.54	2.34	3.15	3.97	5.71	7.75	
	214.86	1.44	1.90	School	-0.15	0.45	0.96	1.20	1.44	1.68	1.92	2.44	3.04	
35	212.88	2.06	6.42	Student	-3.34	-1.31	0.44	1.26	2.06	2.87	3.69	5.43	7.47	
	215.81	1.40	1.90	School	-0.20	0.40	0.92	1.16	1.40	1.64	1.88	2.39	3.00	
40	214.79	1.79	6.42	Student	-3.61	-1.57	0.17	0.99	1.79	2.60	3.42	5.16	7.20	
	216.72	1.36	1.90	School	-0.24	0.36	0.88	1.12	1.36	1.60	1.84	2.35	2.96	
45	216.63	1.53	6.42	Student	-3.87	-1.83	-0.09	0.73	1.53	2.34	3.16	4.90	6.94	
	217.59	1.32	1.90	School	-0.28	0.32	0.84	1.08	1.32	1.56	1.80	2.31	2.91	
48	217.72	1.38	6.42	Student	-4.02	-1.99	-0.25	0.57	1.38	2.19	3.01	4.75	6.79	
	218.11	1.29	1.90	School	-0.30	0.30	0.81	1.06	1.29	1.53	1.78	2.29	2.89	
50	218.45	1.28	6.42	Student	-4.13	-2.09	-0.35	0.47	1.28	2.09	2.91	4.65	6.68	
	218.45	1.28	1.90	School	-0.32	0.28	0.80	1.04	1.28	1.52	1.76	2.27	2.88	
52	219.17	1.18	6.42	Student	-4.23	-2.19	-0.45	0.37	1.18	1.98	2.80	4.54	6.58	
	218.79	1.26	1.90	School	-0.33	0.27	0.78	1.02	1.26	1.50	1.74	2.26	2.86	
55	220.26	1.02	6.42	Student	-4.38	-2.34	-0.60	0.22	1.02	1.83	2.65	4.39	6.43	
	219.31	1.24	1.90	School	-0.36	0.24	0.76	1.00	1.24	1.48	1.72	2.23	2.84	
60	222.11	0.76	6.42	Student	-4.64	-2.60	-0.86	-0.04	0.76	1.57	2.39	4.13	6.17	
	220.18	1.20	1.90	School	-0.40	0.20	0.72	0.96	1.20	1.44	1.68	2.19	2.80	
65	224.02	0.50	6.42	Student	-4.91	-2.87	-1.13	-0.31	0.50	1.30	2.12	3.86	5.90	
	221.08	1.16	1.90	School	-0.44	0.16	0.68	0.92	1.16	1.40	1.64	2.15	2.75	
70	226.03	0.21	6.42	Student	-5.19	-3.15	-1.41	-0.59	0.21	1.02	1.84	3.58	5.62	
	222.03	1.11	1.90	School	-0.48	0.12	0.63	0.88	1.11	1.35	1.59	2.11	2.71	
75	228.20	-0.09	6.42	Student	-5.50	-3.46	-1.72	-0.90	-0.09	0.71	1.53	3.28	5.31	
	223.06	1.07	1.90	School	-0.53	0.07	0.59	0.83	1.07	1.31	1.55	2.06	2.66	
80	230.61	-0.43	6.42	Student	-5.84	-3.80	-2.06	-1.24	-0.43	0.38	1.20	2.94	4.97	
	224.20	1.01	1.90	School	-0.58	0.02	0.53	0.78	1.01	1.25	1.50	2.01	2.61	
85	233.43	-0.83	6.42	Student	-6.23	-4.20	-2.45	-1.63	-0.83	-0.02	0.80	2.54	4.58	
	225.54	0.95	1.90	School	-0.64	-0.04	0.47	0.72	0.95	1.19	1.43	1.95	2.55	
90	236.97	-1.33	6.42	Student	-6.73	-4.69	-2.95	-2.13	-1.33	-0.52	0.30	2.04	4.08	
	227.21	0.88	1.90	School	-0.72	-0.12	0.40	0.64	0.88	1.12	1.36	1.87	2.47	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.44: Language Usage Grade 9 From Last Spring To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	199.96	4.29	7.21	Student	-1.77	0.51	2.47	3.39	4.29	5.20	6.12	8.07	10.36	
	210.10	1.78	2.20	School	-0.08	0.62	1.22	1.50	1.78	2.06	2.34	2.93	3.63	
20	206.63	3.16	7.21	Student	-2.91	-0.62	1.34	2.26	3.16	4.07	4.99	6.94	9.23	
	213.28	1.51	2.20	School	-0.35	0.35	0.95	1.23	1.51	1.79	2.07	2.67	3.37	
25	209.16	2.73	7.21	Student	-3.34	-1.05	0.91	1.83	2.73	3.64	4.56	6.51	8.80	
	214.49	1.41	2.20	School	-0.45	0.25	0.85	1.13	1.41	1.69	1.97	2.56	3.26	
30	211.43	2.35	7.21	Student	-3.72	-1.43	0.52	1.44	2.35	3.25	4.17	6.13	8.41	
	215.58	1.32	2.20	School	-0.54	0.16	0.76	1.04	1.32	1.59	1.88	2.47	3.17	
35	213.54	1.99	7.21	Student	-4.08	-1.79	0.16	1.08	1.99	2.89	3.81	5.77	8.06	
	216.59	1.23	2.20	School	-0.62	0.08	0.67	0.96	1.23	1.51	1.79	2.39	3.09	
40	215.54	1.65	7.21	Student	-4.42	-2.13	-0.18	0.74	1.65	2.55	3.48	5.43	7.72	
	217.54	1.15	2.20	School	-0.70	-0.00	0.59	0.87	1.15	1.43	1.71	2.31	3.01	
45	217.47	1.32	7.21	Student	-4.75	-2.46	-0.51	0.41	1.32	2.23	3.15	5.10	7.39	
	218.47	1.07	2.20	School	-0.78	-0.08	0.52	0.80	1.07	1.35	1.63	2.23	2.93	
48	218.62	1.13	7.21	Student	-4.94	-2.65	-0.70	0.22	1.13	2.03	2.95	4.91	7.19	
	219.02	1.03	2.20	School	-0.83	-0.13	0.47	0.75	1.03	1.31	1.59	2.18	2.88	
50	219.38	1.00	7.21	Student	-5.07	-2.78	-0.83	0.09	1.00	1.90	2.82	4.78	7.07	
	219.38	1.00	2.20	School	-0.86	-0.16	0.44	0.72	1.00	1.27	1.56	2.15	2.85	
52	220.14	0.87	7.21	Student	-5.20	-2.91	-0.96	-0.04	0.87	1.77	2.70	4.65	6.94	
	219.74	0.97	2.20	School	-0.89	-0.19	0.41	0.69	0.97	1.24	1.53	2.12	2.82	
55	221.28	0.67	7.21	Student	-5.39	-3.11	-1.15	-0.23	0.67	1.58	2.50	4.46	6.74	
	220.29	0.92	2.20	School	-0.93	-0.24	0.36	0.64	0.92	1.20	1.48	2.08	2.78	
60	223.22	0.35	7.21	Student	-5.72	-3.43	-1.48	-0.56	0.35	1.25	2.17	4.13	6.41	
	221.21	0.84	2.20	School	-1.01	-0.31	0.28	0.57	0.84	1.12	1.40	2.00	2.70	
65	225.22	0.01	7.21	Student	-6.06	-3.77	-1.82	-0.90	0.01	0.91	1.83	3.79	6.07	
	222.17	0.76	2.20	School	-1.09	-0.39	0.20	0.49	0.76	1.04	1.32	1.92	2.62	
70	227.33	-0.35	7.21	Student	-6.42	-4.13	-2.18	-1.26	-0.35	0.56	1.48	3.43	5.72	
	223.18	0.68	2.20	School	-1.18	-0.48	0.12	0.40	0.68	0.96	1.24	1.83	2.53	
75	229.60	-0.74	7.21	Student	-6.80	-4.52	-2.56	-1.64	-0.74	0.17	1.09	3.04	5.33	
	224.26	0.59	2.20	School	-1.27	-0.57	0.03	0.31	0.59	0.86	1.15	1.74	2.44	
80	232.13	-1.17	7.21	Student	-7.23	-4.95	-2.99	-2.07	-1.17	-0.26	0.66	2.61	4.90	
	225.48	0.48	2.20	School	-1.37	-0.67	-0.07	0.21	0.48	0.76	1.04	1.64	2.34	
85	235.09	-1.67	7.21	Student	-7.74	-5.45	-3.49	-2.57	-1.67	-0.76	0.16	2.11	4.40	
	226.89	0.37	2.20	School	-1.49	-0.79	-0.19	0.09	0.37	0.64	0.92	1.52	2.22	
90	238.80	-2.30	7.21	Student	-8.37	-6.08	-4.12	-3.20	-2.30	-1.39	-0.47	1.48	3.77	
	228.66	0.22	2.20	School	-1.64	-0.94	-0.34	-0.06	0.22	0.49	0.78	1.37	2.07	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.45: Language Usage Grade 9 From Fall To N Fall Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	200.25	1.56	7.15	Student	-4.46	-2.19	-0.25	0.66	1.56	2.46	3.37	5.31	7.58	
	209.75	0.80	2.02	School	-0.90	-0.26	0.29	0.54	0.80	1.05	1.31	1.86	2.50	
20	206.47	1.43	7.15	Student	-4.59	-2.32	-0.38	0.53	1.43	2.33	3.24	5.18	7.45	
	212.71	0.93	2.02	School	-0.77	-0.13	0.42	0.68	0.93	1.18	1.44	1.99	2.63	
25	208.83	1.38	7.15	Student	-4.64	-2.37	-0.43	0.48	1.38	2.28	3.19	5.13	7.40	
	213.83	0.98	2.02	School	-0.72	-0.08	0.47	0.72	0.98	1.23	1.49	2.04	2.68	
30	210.96	1.33	7.15	Student	-4.68	-2.42	-0.48	0.44	1.33	2.23	3.15	5.08	7.35	
	214.84	1.02	2.02	School	-0.68	-0.04	0.51	0.77	1.02	1.28	1.54	2.08	2.72	
35	212.92	1.29	7.15	Student	-4.72	-2.46	-0.52	0.39	1.29	2.19	3.10	5.04	7.31	
	215.78	1.06	2.02	School	-0.64	0.01	0.55	0.81	1.06	1.32	1.58	2.12	2.76	
40	214.79	1.25	7.15	Student	-4.76	-2.50	-0.56	0.36	1.25	2.15	3.07	5.00	7.27	
	216.67	1.10	2.02	School	-0.60	0.04	0.59	0.85	1.10	1.36	1.62	2.16	2.80	
45	216.60	1.22	7.15	Student	-4.80	-2.53	-0.59	0.32	1.22	2.12	3.03	4.97	7.23	
	217.53	1.14	2.02	School	-0.56	0.08	0.63	0.89	1.14	1.40	1.65	2.20	2.84	
48	217.66	1.19	7.15	Student	-4.82	-2.56	-0.62	0.30	1.19	2.09	3.01	4.94	7.21	
	218.04	1.16	2.02	School	-0.54	0.11	0.65	0.91	1.16	1.42	1.68	2.22	2.86	
50	218.37	1.18	7.15	Student	-4.84	-2.57	-0.63	0.28	1.18	2.08	2.99	4.93	7.20	
	218.37	1.18	2.02	School	-0.52	0.12	0.67	0.93	1.18	1.43	1.69	2.24	2.88	
52	219.08	1.16	7.15	Student	-4.85	-2.58	-0.65	0.27	1.16	2.06	2.98	4.91	7.18	
	218.71	1.19	2.02	School	-0.51	0.13	0.68	0.94	1.19	1.45	1.71	2.25	2.89	
55	220.15	1.14	7.15	Student	-4.88	-2.61	-0.67	0.24	1.14	2.04	2.95	4.89	7.16	
	219.22	1.22	2.02	School	-0.48	0.16	0.71	0.96	1.22	1.47	1.73	2.28	2.92	
60	221.96	1.10	7.15	Student	-4.91	-2.64	-0.71	0.21	1.10	2.00	2.92	4.85	7.12	
	220.08	1.25	2.02	School	-0.45	0.20	0.74	1.00	1.25	1.51	1.77	2.31	2.96	
65	223.82	1.07	7.15	Student	-4.95	-2.68	-0.75	0.17	1.07	1.96	2.88	4.82	7.08	
	220.97	1.29	2.02	School	-0.41	0.23	0.78	1.04	1.29	1.55	1.81	2.35	2.99	
70	225.79	1.02	7.15	Student	-4.99	-2.73	-0.79	0.13	1.02	1.92	2.84	4.77	7.04	
	221.90	1.34	2.02	School	-0.36	0.28	0.82	1.08	1.34	1.59	1.85	2.39	3.04	
75	227.91	0.98	7.15	Student	-5.04	-2.77	-0.83	0.08	0.98	1.88	2.79	4.73	7.00	
	222.91	1.38	2.02	School	-0.32	0.32	0.87	1.13	1.38	1.63	1.89	2.44	3.08	
80	230.28	0.93	7.15	Student	-5.09	-2.82	-0.88	0.03	0.93	1.83	2.74	4.68	6.95	
	224.04	1.43	2.02	School	-0.27	0.37	0.92	1.18	1.43	1.68	1.94	2.49	3.13	
85	233.03	0.87	7.15	Student	-5.14	-2.88	-0.94	-0.03	0.87	1.77	2.68	4.62	6.89	
	225.35	1.49	2.02	School	-0.21	0.43	0.98	1.23	1.49	1.74	2.00	2.55	3.19	
90	236.50	0.80	7.15	Student	-5.22	-2.95	-1.01	-0.10	0.80	1.70	2.61	4.55	6.82	
	227.00	1.56	2.02	School	-0.14	0.50	1.05	1.31	1.56	1.81	2.07	2.62	3.26	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.46: Language Usage Grade 9 From Fall To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	200.25	4.29	7.58	Student	-2.09	0.31	2.37	3.33	4.29	5.24	6.21	8.26	10.67
	209.75	2.11	2.18	School	0.28	0.97	1.56	1.84	2.11	2.39	2.66	3.25	3.94
20	206.47	3.50	7.58	Student	-2.88	-0.47	1.58	2.55	3.50	4.46	5.42	7.48	9.88
	212.71	2.08	2.18	School	0.24	0.93	1.52	1.80	2.08	2.35	2.63	3.22	3.91
25	208.83	3.20	7.58	Student	-3.17	-0.77	1.28	2.25	3.20	4.16	5.13	7.18	9.58
	213.83	2.06	2.18	School	0.23	0.92	1.51	1.79	2.06	2.33	2.61	3.20	3.89
30	210.96	2.94	7.58	Student	-3.44	-1.04	1.02	1.98	2.94	3.89	4.86	6.91	9.32
	214.84	2.05	2.18	School	0.22	0.91	1.50	1.77	2.05	2.32	2.60	3.19	3.88
35	212.92	2.69	7.58	Student	-3.69	-1.28	0.77	1.74	2.69	3.64	4.61	6.66	9.07
	215.78	2.04	2.18	School	0.20	0.89	1.48	1.76	2.04	2.31	2.59	3.18	3.87
40	214.79	2.45	7.58	Student	-3.92	-1.52	0.53	1.50	2.45	3.41	4.37	6.43	8.83
	216.67	2.02	2.18	School	0.19	0.88	1.47	1.75	2.02	2.30	2.58	3.17	3.86
45	216.60	2.23	7.58	Student	-4.15	-1.75	0.31	1.27	2.23	3.18	4.15	6.20	8.61
	217.53	2.01	2.18	School	0.18	0.87	1.46	1.74	2.01	2.29	2.57	3.16	3.85
48	217.66	2.09	7.58	Student	-4.29	-1.88	0.17	1.14	2.09	3.04	4.01	6.07	8.47
	218.04	2.01	2.18	School	0.18	0.87	1.46	1.73	2.01	2.28	2.56	3.15	3.84
50	218.37	2.00	7.58	Student	-4.38	-1.97	0.08	1.05	2.00	2.96	3.92	5.98	8.38
	218.37	2.00	2.18	School	0.17	0.86	1.45	1.73	2.00	2.28	2.55	3.14	3.83
52	219.08	1.91	7.58	Student	-4.47	-2.06	-0.01	0.96	1.91	2.87	3.83	5.89	8.29
	218.71	2.00	2.18	School	0.17	0.86	1.45	1.73	2.00	2.27	2.55	3.14	3.83
55	220.15	1.78	7.58	Student	-4.60	-2.20	-0.14	0.83	1.78	2.73	3.70	5.75	8.16
	219.22	1.99	2.18	School	0.16	0.85	1.44	1.72	1.99	2.27	2.54	3.13	3.82
60	221.96	1.55	7.58	Student	-4.83	-2.42	-0.37	0.60	1.55	2.50	3.47	5.53	7.93
	220.08	1.98	2.18	School	0.15	0.84	1.43	1.71	1.98	2.25	2.53	3.12	3.81
65	223.82	1.32	7.58	Student	-5.06	-2.66	-0.60	0.36	1.32	2.27	3.24	5.29	7.70
	220.97	1.97	2.18	School	0.14	0.83	1.42	1.70	1.97	2.24	2.52	3.11	3.80
70	225.79	1.07	7.58	Student	-5.31	-2.91	-0.85	0.12	1.07	2.02	2.99	5.04	7.45
	221.90	1.96	2.18	School	0.13	0.82	1.41	1.68	1.96	2.23	2.51	3.10	3.79
75	227.91	0.80	7.58	Student	-5.58	-3.17	-1.12	-0.15	0.80	1.75	2.72	4.78	7.18
	222.91	1.95	2.18	School	0.11	0.80	1.39	1.67	1.95	2.22	2.50	3.09	3.78
80	230.28	0.50	7.58	Student	-5.88	-3.47	-1.42	-0.45	0.50	1.46	2.42	4.48	6.88
	224.04	1.93	2.18	School	0.10	0.79	1.38	1.66	1.93	2.20	2.48	3.07	3.76
85	233.03	0.16	7.58	Student	-6.22	-3.82	-1.76	-0.80	0.16	1.11	2.08	4.13	6.54
	225.35	1.91	2.18	School	0.08	0.77	1.36	1.64	1.91	2.19	2.47	3.06	3.75
90	236.50	-0.28	7.58	Student	-6.66	-4.25	-2.20	-1.23	-0.28	0.67	1.64	3.69	6.10
	227.00	1.89	2.18	School	0.06	0.75	1.34	1.62	1.89	2.17	2.44	3.03	3.73

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.47: Language Usage Grade 9 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	200.25	3.01	5.50	Student	-1.62	0.12	1.61	2.32	3.01	3.70	4.40	5.89	7.64	
	209.75	1.42	1.24	School	0.37	0.76	1.10	1.26	1.42	1.57	1.73	2.07	2.46	
20	206.47	2.44	5.50	Student	-2.19	-0.44	1.05	1.75	2.44	3.13	3.83	5.32	7.07	
	212.71	1.39	1.24	School	0.35	0.74	1.08	1.24	1.39	1.55	1.71	2.05	2.44	
25	208.83	2.22	5.50	Student	-2.40	-0.66	0.83	1.53	2.22	2.92	3.62	5.11	6.85	
	213.83	1.39	1.24	School	0.34	0.73	1.07	1.23	1.39	1.54	1.70	2.04	2.43	
30	210.96	2.03	5.50	Student	-2.60	-0.85	0.64	1.34	2.03	2.72	3.42	4.91	6.66	
	214.84	1.38	1.24	School	0.33	0.73	1.06	1.22	1.38	1.54	1.69	2.03	2.43	
35	212.92	1.85	5.50	Student	-2.78	-1.03	0.46	1.16	1.85	2.54	3.24	4.74	6.48	
	215.78	1.37	1.24	School	0.33	0.72	1.06	1.22	1.37	1.53	1.69	2.03	2.42	
40	214.79	1.68	5.50	Student	-2.95	-1.20	0.29	0.99	1.68	2.37	3.07	4.56	6.31	
	216.67	1.37	1.24	School	0.32	0.71	1.05	1.21	1.37	1.52	1.68	2.02	2.41	
45	216.60	1.52	5.50	Student	-3.11	-1.37	0.12	0.82	1.52	2.21	2.91	4.40	6.14	
	217.53	1.36	1.24	School	0.31	0.71	1.04	1.20	1.36	1.52	1.67	2.01	2.41	
48	217.66	1.42	5.50	Student	-3.21	-1.47	0.02	0.73	1.42	2.11	2.81	4.30	6.05	
	218.04	1.36	1.24	School	0.31	0.70	1.04	1.20	1.36	1.51	1.67	2.01	2.40	
50	218.37	1.35	5.50	Student	-3.28	-1.53	-0.04	0.66	1.35	2.04	2.75	4.24	5.98	
	218.37	1.35	1.24	School	0.31	0.70	1.04	1.20	1.35	1.51	1.67	2.01	2.40	
52	219.08	1.29	5.50	Student	-3.34	-1.60	-0.10	0.60	1.29	1.98	2.68	4.17	5.92	
	218.71	1.35	1.24	School	0.30	0.70	1.04	1.19	1.35	1.51	1.67	2.00	2.40	
55	220.15	1.19	5.50	Student	-3.44	-1.69	-0.20	0.50	1.19	1.88	2.58	4.08	5.82	
	219.22	1.35	1.24	School	0.30	0.69	1.03	1.19	1.35	1.50	1.66	2.00	2.39	
60	221.96	1.03	5.50	Student	-3.60	-1.86	-0.37	0.34	1.03	1.72	2.42	3.91	5.66	
	220.08	1.34	1.24	School	0.29	0.69	1.03	1.18	1.34	1.50	1.66	1.99	2.39	
65	223.82	0.86	5.50	Student	-3.77	-2.03	-0.54	0.16	0.86	1.55	2.25	3.74	5.49	
	220.97	1.33	1.24	School	0.29	0.68	1.02	1.18	1.33	1.49	1.65	1.99	2.38	
70	225.79	0.68	5.50	Student	-3.95	-2.21	-0.72	-0.01	0.68	1.37	2.07	3.56	5.31	
	221.90	1.33	1.24	School	0.28	0.68	1.01	1.17	1.33	1.48	1.64	1.98	2.38	
75	227.91	0.48	5.50	Student	-4.15	-2.40	-0.91	-0.21	0.48	1.17	1.88	3.37	5.11	
	222.91	1.32	1.24	School	0.27	0.67	1.01	1.16	1.32	1.48	1.64	1.97	2.37	
80	230.28	0.27	5.50	Student	-4.36	-2.62	-1.13	-0.42	0.27	0.96	1.66	3.15	4.90	
	224.04	1.31	1.24	School	0.26	0.66	1.00	1.16	1.31	1.47	1.63	1.96	2.36	
85	233.03	0.02	5.50	Student	-4.61	-2.87	-1.38	-0.68	0.02	0.71	1.41	2.90	4.64	
	225.35	1.30	1.24	School	0.26	0.65	0.99	1.15	1.30	1.46	1.62	1.96	2.35	
90	236.50	-0.30	5.50	Student	-4.93	-3.19	-1.69	-0.99	-0.30	0.39	1.09	2.58	4.33	
	227.00	1.29	1.24	School	0.24	0.64	0.98	1.13	1.29	1.45	1.61	1.94	2.34	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.48: Language Usage Grade 9 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	201.81	1.15 5.07	Student	-3.11	-1.50	-0.13	0.52	1.15	1.79	2.44	3.81	5.42	
	211.02	0.48 0.93	School	-0.30	-0.01	0.24	0.36	0.48	0.59	0.71	0.96	1.26	
20	207.96	0.98 5.07	Student	-3.28	-1.68	-0.30	0.34	0.98	1.62	2.26	3.64	5.25	
	214.01	0.54 0.93	School	-0.24	0.05	0.30	0.42	0.54	0.65	0.77	1.02	1.32	
25	210.30	0.92 5.07	Student	-3.35	-1.74	-0.37	0.28	0.92	1.55	2.20	3.57	5.18	
	215.14	0.56 0.93	School	-0.22	0.07	0.32	0.44	0.56	0.68	0.79	1.04	1.34	
30	212.40	0.86 5.07	Student	-3.41	-1.80	-0.43	0.22	0.86	1.49	2.14	3.51	5.12	
	216.16	0.58 0.93	School	-0.20	0.09	0.34	0.46	0.58	0.70	0.81	1.06	1.36	
35	214.34	0.80 5.07	Student	-3.46	-1.86	-0.48	0.16	0.80	1.44	2.09	3.46	5.07	
	217.11	0.60 0.93	School	-0.18	0.11	0.36	0.48	0.60	0.71	0.83	1.08	1.38	
40	216.19	0.75 5.07	Student	-3.52	-1.91	-0.53	0.11	0.75	1.39	2.03	3.41	5.01	
	218.01	0.62 0.93	School	-0.16	0.13	0.38	0.50	0.62	0.73	0.85	1.10	1.39	
45	217.97	0.70 5.07	Student	-3.57	-1.96	-0.58	0.06	0.70	1.34	1.98	3.36	4.96	
	218.87	0.63 0.93	School	-0.15	0.15	0.40	0.52	0.63	0.75	0.87	1.12	1.41	
48	219.03	0.67 5.07	Student	-3.60	-1.99	-0.61	0.03	0.67	1.31	1.95	3.33	4.93	
	219.39	0.64 0.93	School	-0.14	0.16	0.41	0.53	0.64	0.76	0.88	1.13	1.42	
50	219.73	0.65 5.07	Student	-3.62	-2.01	-0.63	0.01	0.65	1.29	1.93	3.31	4.91	
	219.73	0.65 0.93	School	-0.13	0.16	0.41	0.53	0.65	0.77	0.88	1.14	1.43	
52	220.43	0.63 5.07	Student	-3.63	-2.03	-0.65	-0.01	0.63	1.27	1.91	3.29	4.89	
	220.07	0.66 0.93	School	-0.12	0.17	0.42	0.54	0.66	0.77	0.89	1.14	1.44	
55	221.48	0.60 5.07	Student	-3.66	-2.06	-0.68	-0.04	0.60	1.24	1.88	3.26	4.86	
	220.58	0.67 0.93	School	-0.11	0.18	0.43	0.55	0.67	0.78	0.90	1.15	1.45	
60	223.27	0.55 5.07	Student	-3.72	-2.11	-0.73	-0.09	0.55	1.19	1.83	3.21	4.81	
	221.45	0.68 0.93	School	-0.10	0.20	0.45	0.57	0.68	0.80	0.92	1.17	1.46	
65	225.11	0.50 5.07	Student	-3.77	-2.16	-0.79	-0.14	0.50	1.13	1.78	3.15	4.76	
	222.35	0.70 0.93	School	-0.08	0.22	0.47	0.58	0.70	0.82	0.94	1.19	1.48	
70	227.06	0.44 5.07	Student	-3.82	-2.21	-0.84	-0.19	0.44	1.08	1.73	3.10	4.71	
	223.29	0.72 0.93	School	-0.06	0.23	0.49	0.60	0.72	0.84	0.95	1.21	1.50	
75	229.16	0.38 5.07	Student	-3.88	-2.27	-0.90	-0.25	0.38	1.02	1.67	3.04	4.65	
	224.31	0.74 0.93	School	-0.04	0.25	0.51	0.62	0.74	0.86	0.97	1.23	1.52	
80	231.49	0.32 5.07	Student	-3.95	-2.34	-0.97	-0.32	0.32	0.95	1.60	2.98	4.58	
	225.45	0.76 0.93	School	-0.02	0.28	0.53	0.65	0.76	0.88	1.00	1.25	1.54	
85	234.22	0.24 5.07	Student	-4.02	-2.42	-1.04	-0.40	0.24	0.88	1.52	2.90	4.51	
	226.77	0.79 0.93	School	0.01	0.30	0.55	0.67	0.79	0.91	1.02	1.27	1.57	
90	237.65	0.14 5.07	Student	-4.12	-2.51	-1.14	-0.49	0.14	0.78	1.43	2.80	4.41	
	228.44	0.82 0.93	School	0.04	0.34	0.59	0.71	0.82	0.94	1.06	1.31	1.60	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.49: Language Usage Grade 10 From Last Winter To Winter Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	198.85	3.56	6.49	Student	-1.90	0.16	1.91	2.74	3.56	4.37	5.20	6.96	9.02	
	208.61	2.06	1.90	School	0.46	1.06	1.58	1.82	2.06	2.29	2.54	3.05	3.65	
20	205.47	2.88	6.49	Student	-2.59	-0.53	1.23	2.06	2.88	3.69	4.52	6.28	8.34	
	211.89	1.89	1.90	School	0.29	0.89	1.41	1.65	1.89	2.13	2.37	2.88	3.49	
25	207.99	2.62	6.49	Student	-2.85	-0.79	0.97	1.80	2.62	3.43	4.26	6.02	8.08	
	213.13	1.83	1.90	School	0.23	0.83	1.34	1.59	1.83	2.06	2.31	2.82	3.42	
30	210.25	2.38	6.49	Student	-3.08	-1.02	0.74	1.57	2.38	3.20	4.03	5.79	7.85	
	214.25	1.77	1.90	School	0.17	0.77	1.29	1.53	1.77	2.01	2.25	2.76	3.37	
35	212.35	2.17	6.49	Student	-3.29	-1.24	0.52	1.35	2.17	2.98	3.81	5.57	7.63	
	215.28	1.72	1.90	School	0.12	0.72	1.23	1.48	1.72	1.95	2.20	2.71	3.31	
40	214.34	1.96	6.49	Student	-3.50	-1.44	0.32	1.15	1.96	2.78	3.61	5.37	7.42	
	216.27	1.67	1.90	School	0.07	0.67	1.18	1.43	1.67	1.90	2.15	2.66	3.26	
45	216.26	1.76	6.49	Student	-3.70	-1.64	0.12	0.95	1.76	2.58	3.41	5.17	7.23	
	217.22	1.62	1.90	School	0.02	0.62	1.14	1.38	1.62	1.86	2.10	2.61	3.21	
48	217.40	1.65	6.49	Student	-3.81	-1.76	0.00	0.83	1.65	2.46	3.29	5.05	7.11	
	217.78	1.59	1.90	School	-0.01	0.59	1.11	1.35	1.59	1.83	2.07	2.58	3.19	
50	218.15	1.57	6.49	Student	-3.89	-1.83	-0.07	0.75	1.57	2.38	3.21	4.97	7.03	
	218.15	1.57	1.90	School	-0.03	0.57	1.09	1.33	1.57	1.81	2.05	2.56	3.17	
52	218.91	1.49	6.49	Student	-3.97	-1.91	-0.15	0.68	1.49	2.31	3.14	4.89	6.95	
	218.53	1.55	1.90	School	-0.05	0.56	1.07	1.31	1.55	1.79	2.03	2.55	3.15	
55	220.05	1.37	6.49	Student	-4.09	-2.03	-0.27	0.56	1.37	2.19	3.02	4.78	6.84	
	219.09	1.52	1.90	School	-0.08	0.53	1.04	1.28	1.52	1.76	2.00	2.52	3.12	
60	221.97	1.18	6.49	Student	-4.29	-2.23	-0.47	0.36	1.18	1.99	2.82	4.58	6.64	
	220.04	1.47	1.90	School	-0.12	0.48	0.99	1.23	1.47	1.71	1.95	2.47	3.07	
65	223.96	0.97	6.49	Student	-4.49	-2.43	-0.67	0.16	0.97	1.79	2.62	4.37	6.43	
	221.02	1.42	1.90	School	-0.17	0.43	0.94	1.18	1.42	1.66	1.90	2.42	3.02	
70	226.05	0.76	6.49	Student	-4.71	-2.65	-0.89	-0.06	0.76	1.57	2.40	4.16	6.22	
	222.06	1.37	1.90	School	-0.23	0.37	0.89	1.13	1.37	1.61	1.85	2.37	2.97	
75	228.31	0.52	6.49	Student	-4.94	-2.88	-1.12	-0.29	0.52	1.34	2.17	3.93	5.98	
	223.17	1.31	1.90	School	-0.28	0.32	0.83	1.07	1.31	1.55	1.79	2.31	2.91	
80	230.83	0.26	6.49	Student	-5.20	-3.14	-1.38	-0.55	0.26	1.08	1.91	3.67	5.72	
	224.42	1.25	1.90	School	-0.35	0.25	0.77	1.01	1.25	1.49	1.73	2.24	2.85	
85	233.77	-0.04	6.49	Student	-5.50	-3.44	-1.68	-0.86	-0.04	0.78	1.60	3.36	5.42	
	225.87	1.18	1.90	School	-0.42	0.18	0.69	0.94	1.18	1.41	1.66	2.17	2.77	
90	237.46	-0.42	6.49	Student	-5.88	-3.82	-2.06	-1.24	-0.42	0.40	1.22	2.98	5.04	
	227.69	1.08	1.90	School	-0.51	0.09	0.60	0.84	1.08	1.32	1.56	2.08	2.68	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.50: Language Usage Grade 10 From Last Spring To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth								
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70
10	198.24	4.66	8.17	Student	-2.21	0.38	2.59	3.64	4.66	5.69	6.73	8.94	11.54
	208.86	2.18	2.47	School	0.10	0.88	1.55	1.87	2.18	2.49	2.81	3.48	4.26
20	205.28	3.55	8.17	Student	-3.33	-0.74	1.48	2.52	3.55	4.57	5.62	7.83	10.42
	212.25	1.92	2.47	School	-0.16	0.62	1.29	1.61	1.92	2.23	2.54	3.21	4.00
25	207.95	3.12	8.17	Student	-3.75	-1.16	1.06	2.10	3.12	4.15	5.19	7.41	10.00
	213.54	1.82	2.47	School	-0.26	0.52	1.19	1.51	1.82	2.13	2.44	3.12	3.90
30	210.35	2.74	8.17	Student	-4.13	-1.54	0.68	1.72	2.74	3.77	4.81	7.03	9.62
	214.69	1.73	2.47	School	-0.35	0.43	1.10	1.42	1.73	2.04	2.36	3.03	3.81
35	212.57	2.39	8.17	Student	-4.48	-1.89	0.32	1.37	2.39	3.42	4.46	6.68	9.27
	215.76	1.65	2.47	School	-0.44	0.35	1.02	1.34	1.65	1.96	2.27	2.94	3.73
40	214.68	2.06	8.17	Student	-4.82	-2.22	-0.01	1.03	2.06	3.08	4.13	6.34	8.93
	216.78	1.57	2.47	School	-0.51	0.27	0.94	1.26	1.57	1.88	2.19	2.86	3.65
45	216.72	1.74	8.17	Student	-5.14	-2.55	-0.33	0.71	1.74	2.76	3.80	6.02	8.61
	217.76	1.49	2.47	School	-0.59	0.19	0.87	1.18	1.49	1.80	2.12	2.79	3.57
48	217.93	1.54	8.17	Student	-5.33	-2.74	-0.53	0.52	1.54	2.57	3.61	5.83	8.42
	218.34	1.45	2.47	School	-0.63	0.15	0.82	1.14	1.45	1.76	2.07	2.74	3.53
50	218.73	1.42	8.17	Student	-5.46	-2.87	-0.65	0.39	1.42	2.44	3.49	5.70	8.29
	218.73	1.42	2.47	School	-0.66	0.12	0.79	1.11	1.42	1.73	2.04	2.71	3.50
52	219.53	1.29	8.17	Student	-5.58	-2.99	-0.78	0.26	1.29	2.32	3.36	5.57	8.16
	219.11	1.39	2.47	School	-0.69	0.09	0.76	1.08	1.39	1.70	2.01	2.68	3.47
55	220.74	1.10	8.17	Student	-5.78	-3.18	-0.97	0.07	1.10	2.13	3.17	5.38	7.97
	219.70	1.34	2.47	School	-0.74	0.05	0.72	1.03	1.34	1.65	1.97	2.64	3.42
60	222.78	0.78	8.17	Student	-6.10	-3.51	-1.29	-0.25	0.78	1.80	2.84	5.06	7.65
	220.68	1.27	2.47	School	-0.82	-0.03	0.64	0.96	1.27	1.58	1.89	2.56	3.35
65	224.89	0.44	8.17	Student	-6.43	-3.84	-1.63	-0.58	0.44	1.47	2.51	4.72	7.32
	221.69	1.19	2.47	School	-0.89	-0.11	0.56	0.88	1.19	1.50	1.81	2.48	3.27
70	227.11	0.09	8.17	Student	-6.78	-4.19	-1.98	-0.94	0.09	1.12	2.16	4.37	6.96
	222.76	1.11	2.47	School	-0.98	-0.19	0.48	0.79	1.11	1.42	1.73	2.40	3.19
75	229.51	-0.29	8.17	Student	-7.16	-4.57	-2.36	-1.32	-0.29	0.74	1.78	3.99	6.58
	223.92	1.02	2.47	School	-1.07	-0.28	0.39	0.71	1.02	1.33	1.64	2.31	3.10
80	232.18	-0.71	8.17	Student	-7.59	-5.00	-2.78	-1.74	-0.71	0.31	1.36	3.57	6.16
	225.21	0.92	2.47	School	-1.16	-0.38	0.29	0.61	0.92	1.23	1.54	2.21	3.00
85	235.30	-1.21	8.17	Student	-8.08	-5.49	-3.28	-2.23	-1.21	-0.18	0.86	3.08	5.67
	226.71	0.80	2.47	School	-1.28	-0.50	0.17	0.49	0.80	1.11	1.43	2.10	2.88
90	239.21	-1.83	8.17	Student	-8.70	-6.11	-3.90	-2.85	-1.83	-0.80	0.24	2.46	5.05
	228.59	0.66	2.47	School	-1.43	-0.64	0.03	0.34	0.66	0.97	1.28	1.95	2.74

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.51: Language Usage Grade 10 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	199.66	0.75 7.41	Student	-5.48	-3.13	-1.13	-0.18	0.75	1.68	2.63	4.63	6.98	
	209.59	1.02 1.88	School	-0.57	0.03	0.54	0.78	1.02	1.25	1.49	2.00	2.60	
20	206.27	0.86 7.41	Student	-5.37	-3.02	-1.01	-0.07	0.86	1.80	2.74	4.75	7.10	
	212.80	1.04 1.88	School	-0.54	0.05	0.56	0.80	1.04	1.28	1.52	2.03	2.62	
25	208.79	0.91 7.41	Student	-5.32	-2.97	-0.97	-0.02	0.91	1.84	2.78	4.79	7.14	
	214.01	1.05 1.88	School	-0.53	0.06	0.57	0.81	1.05	1.29	1.53	2.04	2.63	
30	211.04	0.95 7.41	Student	-5.28	-2.94	-0.93	0.02	0.95	1.88	2.82	4.83	7.18	
	215.11	1.06 1.88	School	-0.53	0.07	0.58	0.82	1.06	1.29	1.53	2.04	2.64	
35	213.13	0.98 7.41	Student	-5.25	-2.90	-0.89	0.05	0.98	1.91	2.86	4.87	7.22	
	216.12	1.06 1.88	School	-0.52	0.08	0.59	0.83	1.06	1.30	1.54	2.05	2.65	
40	215.12	1.02 7.41	Student	-5.21	-2.86	-0.86	0.09	1.02	1.95	2.89	4.90	7.25	
	217.08	1.07 1.88	School	-0.51	0.09	0.60	0.84	1.07	1.31	1.55	2.06	2.65	
45	217.04	1.05 7.41	Student	-5.18	-2.83	-0.82	0.12	1.05	1.98	2.93	4.94	7.28	
	218.01	1.08 1.88	School	-0.50	0.09	0.60	0.84	1.08	1.31	1.55	2.06	2.66	
48	218.18	1.07 7.41	Student	-5.16	-2.81	-0.80	0.14	1.07	2.00	2.95	4.96	7.30	
	218.56	1.08 1.88	School	-0.50	0.10	0.61	0.85	1.08	1.32	1.56	2.07	2.67	
50	218.93	1.09 7.41	Student	-5.15	-2.80	-0.79	0.15	1.09	2.02	2.96	4.97	7.32	
	218.93	1.09 1.88	School	-0.50	0.10	0.61	0.85	1.09	1.32	1.56	2.07	2.67	
52	219.68	1.10 7.41	Student	-5.13	-2.78	-0.78	0.17	1.10	2.03	2.97	4.98	7.33	
	219.29	1.09 1.88	School	-0.49	0.10	0.61	0.85	1.09	1.32	1.56	2.07	2.67	
55	220.82	1.12 7.41	Student	-5.11	-2.77	-0.76	0.19	1.12	2.05	2.99	5.00	7.35	
	219.84	1.09 1.88	School	-0.49	0.11	0.62	0.86	1.09	1.33	1.57	2.08	2.67	
60	222.74	1.15 7.41	Student	-5.08	-2.73	-0.72	0.22	1.15	2.08	3.03	5.03	7.38	
	220.78	1.10 1.88	School	-0.48	0.11	0.62	0.86	1.10	1.33	1.58	2.08	2.68	
65	224.72	1.19 7.41	Student	-5.05	-2.70	-0.69	0.26	1.19	2.12	3.06	5.07	7.42	
	221.74	1.11 1.88	School	-0.48	0.12	0.63	0.87	1.11	1.34	1.58	2.09	2.69	
70	226.82	1.22 7.41	Student	-5.01	-2.66	-0.65	0.29	1.22	2.15	3.10	5.11	7.45	
	222.75	1.11 1.88	School	-0.47	0.13	0.64	0.88	1.11	1.35	1.59	2.10	2.70	
75	229.07	1.26 7.41	Student	-4.97	-2.62	-0.61	0.33	1.26	2.19	3.14	5.15	7.49	
	223.84	1.12 1.88	School	-0.46	0.14	0.64	0.88	1.12	1.36	1.60	2.11	2.70	
80	231.59	1.31 7.41	Student	-4.93	-2.58	-0.57	0.37	1.31	2.24	3.18	5.19	7.54	
	225.06	1.13 1.88	School	-0.45	0.14	0.65	0.89	1.13	1.37	1.61	2.12	2.71	
85	234.52	1.36 7.41	Student	-4.88	-2.53	-0.52	0.43	1.36	2.29	3.23	5.24	7.59	
	226.48	1.14 1.88	School	-0.44	0.15	0.66	0.90	1.14	1.38	1.62	2.13	2.72	
90	238.20	1.42 7.41	Student	-4.81	-2.46	-0.46	0.49	1.42	2.35	3.30	5.30	7.65	
	228.27	1.15 1.88	School	-0.43	0.17	0.68	0.92	1.15	1.39	1.63	2.14	2.74	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.52: Language Usage Grade 10 From Fall To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	199.66	3.46	8.43	Student	-3.64	-0.96	1.32	2.40	3.46	4.52	5.59	7.88	10.55
	209.59	1.47	2.51	School	-0.65	0.15	0.83	1.15	1.47	1.78	2.10	2.78	3.58
20	206.27	2.69	8.43	Student	-4.41	-1.73	0.55	1.63	2.69	3.75	4.82	7.11	9.78
	212.80	1.38	2.51	School	-0.73	0.06	0.74	1.06	1.38	1.70	2.02	2.70	3.49
25	208.79	2.40	8.43	Student	-4.70	-2.03	0.26	1.34	2.40	3.45	4.53	6.82	9.49
	214.01	1.35	2.51	School	-0.77	0.03	0.71	1.03	1.35	1.66	1.98	2.66	3.46
30	211.04	2.13	8.43	Student	-4.96	-2.29	-0.00	1.07	2.13	3.19	4.27	6.55	9.23
	215.11	1.32	2.51	School	-0.80	0.00	0.68	1.00	1.32	1.63	1.95	2.64	3.43
35	213.13	1.89	8.43	Student	-5.21	-2.53	-0.25	0.83	1.89	2.95	4.03	6.31	8.99
	216.12	1.29	2.51	School	-0.82	-0.03	0.65	0.98	1.29	1.61	1.93	2.61	3.40
40	215.12	1.66	8.43	Student	-5.44	-2.76	-0.48	0.60	1.66	2.72	3.79	6.08	8.75
	217.08	1.27	2.51	School	-0.85	-0.05	0.63	0.95	1.27	1.58	1.90	2.58	3.38
45	217.04	1.44	8.43	Student	-5.66	-2.99	-0.70	0.38	1.44	2.49	3.57	5.86	8.53
	218.01	1.24	2.51	School	-0.87	-0.08	0.60	0.92	1.24	1.56	1.88	2.56	3.35
48	218.18	1.30	8.43	Student	-5.79	-3.12	-0.83	0.24	1.30	2.36	3.44	5.72	8.40
	218.56	1.23	2.51	School	-0.89	-0.09	0.59	0.91	1.23	1.54	1.86	2.54	3.34
50	218.93	1.22	8.43	Student	-5.88	-3.21	-0.92	0.16	1.22	2.28	3.35	5.64	8.31
	218.93	1.22	2.51	School	-0.90	-0.10	0.58	0.90	1.22	1.53	1.85	2.53	3.33
52	219.68	1.13	8.43	Student	-5.97	-3.29	-1.01	0.07	1.13	2.19	3.26	5.55	8.22
	219.29	1.21	2.51	School	-0.91	-0.11	0.57	0.89	1.21	1.52	1.84	2.52	3.32
55	220.82	1.00	8.43	Student	-6.10	-3.43	-1.14	-0.06	1.00	2.06	3.13	5.42	8.09
	219.84	1.19	2.51	School	-0.92	-0.13	0.55	0.88	1.19	1.51	1.83	2.51	3.30
60	222.74	0.77	8.43	Student	-6.32	-3.65	-1.36	-0.29	0.77	1.83	2.91	5.19	7.87
	220.78	1.17	2.51	School	-0.95	-0.15	0.53	0.85	1.17	1.48	1.80	2.48	3.28
65	224.72	0.54	8.43	Student	-6.55	-3.88	-1.59	-0.52	0.54	1.60	2.68	4.96	7.64
	221.74	1.14	2.51	School	-0.97	-0.18	0.50	0.82	1.14	1.46	1.78	2.46	3.25
70	226.82	0.30	8.43	Student	-6.80	-4.12	-1.84	-0.76	0.30	1.36	2.43	4.72	7.39
	222.75	1.11	2.51	School	-1.00	-0.20	0.48	0.80	1.11	1.43	1.75	2.43	3.23
75	229.07	0.04	8.43	Student	-7.06	-4.38	-2.10	-1.02	0.04	1.10	2.17	4.46	7.13
	223.84	1.08	2.51	School	-1.03	-0.23	0.45	0.77	1.08	1.40	1.72	2.40	3.20
80	231.59	-0.26	8.43	Student	-7.35	-4.68	-2.39	-1.32	-0.26	0.80	1.88	4.17	6.84
	225.06	1.05	2.51	School	-1.06	-0.27	0.41	0.74	1.05	1.37	1.69	2.37	3.16
85	234.52	-0.60	8.43	Student	-7.69	-5.02	-2.73	-1.66	-0.60	0.46	1.54	3.82	6.50
	226.48	1.01	2.51	School	-1.10	-0.30	0.38	0.70	1.01	1.33	1.65	2.33	3.13
90	238.20	-1.03	8.43	Student	-8.12	-5.45	-3.16	-2.08	-1.03	0.03	1.11	3.40	6.07
	228.27	0.96	2.51	School	-1.15	-0.35	0.33	0.65	0.96	1.28	1.60	2.28	3.08

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.53: Language Usage Grade 10 From Fall To Winter Conditional Growth Percentile

Start Status	Growth			CGP	Conditional Growth									
	%ile	RIT	Mean		SD	CGI	20	30	40	45	50	55	60	70
10	199.66	2.40	5.90	Student	-2.56	-0.69	0.91	1.66	2.40	3.14	3.90	5.49	7.36	
	209.59	0.94	1.44	School	-0.27	0.18	0.57	0.76	0.94	1.12	1.30	1.69	2.14	
20	206.27	1.85	5.90	Student	-3.11	-1.24	0.36	1.11	1.85	2.59	3.34	4.94	6.81	
	212.80	0.89	1.44	School	-0.32	0.13	0.52	0.71	0.89	1.07	1.25	1.64	2.10	
25	208.79	1.64	5.90	Student	-3.32	-1.45	0.15	0.90	1.64	2.38	3.13	4.73	6.60	
	214.01	0.87	1.44	School	-0.34	0.11	0.50	0.69	0.87	1.05	1.23	1.62	2.08	
30	211.04	1.45	5.90	Student	-3.51	-1.64	-0.04	0.71	1.45	2.19	2.94	4.54	6.41	
	215.11	0.85	1.44	School	-0.36	0.10	0.49	0.67	0.85	1.03	1.21	1.60	2.06	
35	213.13	1.28	5.90	Student	-3.69	-1.82	-0.22	0.54	1.28	2.02	2.77	4.37	6.24	
	216.12	0.84	1.44	School	-0.37	0.08	0.47	0.65	0.84	1.02	1.20	1.59	2.04	
40	215.12	1.11	5.90	Student	-3.85	-1.98	-0.38	0.37	1.11	1.85	2.60	4.20	6.07	
	217.08	0.82	1.44	School	-0.39	0.07	0.46	0.64	0.82	1.00	1.18	1.57	2.03	
45	217.04	0.95	5.90	Student	-4.01	-2.14	-0.54	0.21	0.95	1.69	2.44	4.04	5.91	
	218.01	0.81	1.44	School	-0.40	0.05	0.44	0.63	0.81	0.99	1.17	1.56	2.01	
48	218.18	0.86	5.90	Student	-4.11	-2.24	-0.64	0.11	0.86	1.60	2.35	3.95	5.82	
	218.56	0.80	1.44	School	-0.41	0.04	0.43	0.62	0.80	0.98	1.16	1.55	2.01	
50	218.93	0.79	5.90	Student	-4.17	-2.30	-0.70	0.05	0.79	1.53	2.29	3.88	5.75	
	218.93	0.79	1.44	School	-0.42	0.04	0.43	0.61	0.79	0.97	1.16	1.55	2.00	
52	219.68	0.73	5.90	Student	-4.23	-2.36	-0.76	-0.01	0.73	1.47	2.22	3.82	5.69	
	219.29	0.79	1.44	School	-0.42	0.03	0.42	0.61	0.79	0.97	1.15	1.54	2.00	
55	220.82	0.63	5.90	Student	-4.33	-2.46	-0.86	-0.11	0.63	1.38	2.13	3.73	5.60	
	219.84	0.78	1.44	School	-0.43	0.03	0.41	0.60	0.78	0.96	1.14	1.53	1.99	
60	222.74	0.47	5.90	Student	-4.49	-2.62	-1.02	-0.27	0.47	1.21	1.97	3.57	5.44	
	220.78	0.76	1.44	School	-0.44	0.01	0.40	0.58	0.76	0.94	1.13	1.52	1.97	
65	224.72	0.31	5.90	Student	-4.65	-2.78	-1.19	-0.43	0.31	1.05	1.80	3.40	5.27	
	221.74	0.75	1.44	School	-0.46	-0.00	0.39	0.57	0.75	0.93	1.11	1.50	1.96	
70	226.82	0.13	5.90	Student	-4.83	-2.96	-1.36	-0.61	0.13	0.87	1.63	3.23	5.10	
	222.75	0.73	1.44	School	-0.48	-0.02	0.37	0.55	0.73	0.91	1.10	1.49	1.94	
75	229.07	-0.05	5.90	Student	-5.02	-3.15	-1.55	-0.80	-0.05	0.69	1.44	3.04	4.91	
	223.84	0.72	1.44	School	-0.49	-0.04	0.35	0.54	0.72	0.90	1.08	1.47	1.93	
80	231.59	-0.26	5.90	Student	-5.23	-3.36	-1.76	-1.01	-0.26	0.48	1.23	2.83	4.70	
	225.06	0.70	1.44	School	-0.51	-0.06	0.33	0.52	0.70	0.88	1.06	1.45	1.91	
85	234.52	-0.51	5.90	Student	-5.47	-3.60	-2.00	-1.25	-0.51	0.23	0.98	2.58	4.45	
	226.48	0.68	1.44	School	-0.53	-0.08	0.31	0.50	0.68	0.86	1.04	1.43	1.88	
90	238.20	-0.82	5.90	Student	-5.78	-3.91	-2.31	-1.56	-0.82	-0.08	0.68	2.27	4.14	
	228.27	0.65	1.44	School	-0.56	-0.10	0.28	0.47	0.65	0.83	1.01	1.40	1.86	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.3.54: Language Usage Grade 10 From Winter To Spring Conditional Growth Percentile

Start Status %ile	Growth		Conditional Growth										
	RIT	Mean SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	200.51	0.65 5.32	Student	-3.82	-2.14	-0.70	-0.02	0.65	1.32	2.00	3.44	5.13	
	210.35	0.26 1.07	School	-0.65	-0.30	-0.01	0.12	0.26	0.39	0.53	0.82	1.16	
20	207.11	0.57 5.32	Student	-3.90	-2.22	-0.77	-0.10	0.57	1.24	1.92	3.36	5.05	
	213.56	0.32 1.07	School	-0.59	-0.25	0.04	0.18	0.32	0.45	0.59	0.88	1.22	
25	209.61	0.54 5.32	Student	-3.93	-2.25	-0.80	-0.12	0.54	1.21	1.89	3.33	5.02	
	214.79	0.34 1.07	School	-0.57	-0.23	0.06	0.20	0.34	0.47	0.61	0.90	1.24	
30	211.86	0.52 5.32	Student	-3.96	-2.27	-0.83	-0.15	0.52	1.19	1.86	3.31	4.99	
	215.88	0.36 1.07	School	-0.55	-0.21	0.08	0.22	0.36	0.49	0.63	0.92	1.26	
35	213.95	0.49 5.32	Student	-3.98	-2.30	-0.86	-0.18	0.49	1.16	1.84	3.28	4.97	
	216.90	0.37 1.07	School	-0.53	-0.19	0.10	0.24	0.37	0.51	0.65	0.94	1.28	
40	215.92	0.47 5.32	Student	-4.01	-2.32	-0.88	-0.20	0.47	1.14	1.82	3.26	4.94	
	217.87	0.39 1.07	School	-0.51	-0.17	0.12	0.26	0.39	0.53	0.66	0.95	1.30	
45	217.84	0.45 5.32	Student	-4.03	-2.34	-0.90	-0.22	0.45	1.11	1.79	3.23	4.92	
	218.80	0.41 1.07	School	-0.50	-0.16	0.14	0.27	0.41	0.54	0.68	0.97	1.31	
48	218.97	0.43 5.32	Student	-4.04	-2.36	-0.91	-0.24	0.43	1.10	1.78	3.22	4.91	
	219.35	0.42 1.07	School	-0.49	-0.15	0.14	0.28	0.42	0.55	0.69	0.98	1.32	
50	219.72	0.42 5.32	Student	-4.05	-2.37	-0.92	-0.24	0.42	1.09	1.77	3.21	4.90	
	219.72	0.42 1.07	School	-0.48	-0.14	0.15	0.29	0.42	0.56	0.70	0.99	1.33	
52	220.47	0.41 5.32	Student	-4.06	-2.37	-0.93	-0.25	0.41	1.08	1.76	3.20	4.89	
	220.09	0.43 1.07	School	-0.47	-0.13	0.16	0.29	0.43	0.56	0.70	0.99	1.33	
55	221.61	0.40 5.32	Student	-4.07	-2.39	-0.95	-0.27	0.40	1.07	1.75	3.19	4.88	
	220.64	0.44 1.07	School	-0.46	-0.12	0.17	0.30	0.44	0.57	0.71	1.00	1.34	
60	223.52	0.38 5.32	Student	-4.10	-2.41	-0.97	-0.29	0.38	1.05	1.73	3.17	4.85	
	221.58	0.46 1.07	School	-0.45	-0.11	0.18	0.32	0.46	0.59	0.73	1.02	1.36	
65	225.50	0.35 5.32	Student	-4.12	-2.43	-0.99	-0.31	0.35	1.02	1.70	3.14	4.83	
	222.54	0.47 1.07	School	-0.43	-0.09	0.20	0.34	0.47	0.61	0.75	1.04	1.38	
70	227.58	0.33 5.32	Student	-4.15	-2.46	-1.02	-0.34	0.33	1.00	1.68	3.12	4.81	
	223.56	0.49 1.07	School	-0.41	-0.07	0.22	0.36	0.49	0.63	0.76	1.05	1.40	
75	229.83	0.30 5.32	Student	-4.17	-2.49	-1.04	-0.36	0.30	0.97	1.65	3.09	4.78	
	224.66	0.51 1.07	School	-0.39	-0.05	0.24	0.38	0.51	0.65	0.78	1.07	1.41	
80	232.34	0.27 5.32	Student	-4.20	-2.52	-1.07	-0.39	0.27	0.94	1.62	3.06	4.75	
	225.88	0.53 1.07	School	-0.37	-0.03	0.26	0.40	0.53	0.67	0.80	1.10	1.44	
85	235.26	0.24 5.32	Student	-4.24	-2.55	-1.11	-0.43	0.24	0.91	1.59	3.03	4.72	
	227.30	0.56 1.07	School	-0.35	-0.01	0.28	0.42	0.56	0.69	0.83	1.12	1.46	
90	238.93	0.20 5.32	Student	-4.28	-2.59	-1.15	-0.47	0.20	0.86	1.54	2.98	4.67	
	229.10	0.59 1.07	School	-0.32	0.02	0.32	0.45	0.59	0.72	0.86	1.15	1.49	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Appendix E.4 - General Science

Table E.4.1: General Science Grade 3 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth										
	%ile	RIT	Mean	SD	CGP	20	30	40	45	50	55	60	70	80
					CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	168.56	12.25	5.94		Student	7.25	9.14	10.75	11.50	12.25	13.00	13.76	15.36	17.25
	177.27	8.88	1.75		School	7.41	7.96	8.44	8.66	8.88	9.10	9.32	9.80	10.35
20	173.98	10.86	5.94		Student	5.86	7.75	9.36	10.11	10.86	11.61	12.36	13.97	15.86
	179.71	8.65	1.75		School	7.17	7.73	8.20	8.43	8.65	8.87	9.09	9.56	10.12
25	176.04	10.33	5.94		Student	5.33	7.22	8.83	9.58	10.33	11.08	11.83	13.44	15.33
	180.63	8.56	1.75		School	7.08	7.64	8.11	8.34	8.56	8.78	9.00	9.47	10.03
30	177.89	9.86	5.94		Student	4.86	6.74	8.35	9.11	9.86	10.60	11.36	12.97	14.85
	181.46	8.48	1.75		School	7.00	7.56	8.03	8.26	8.48	8.70	8.92	9.40	9.95
35	179.61	9.42	5.94		Student	4.42	6.30	7.91	8.67	9.42	10.16	10.92	12.53	14.41
	182.23	8.40	1.75		School	6.93	7.48	7.96	8.18	8.40	8.62	8.85	9.32	9.88
40	181.24	9.00	5.94		Student	4.00	5.88	7.49	8.25	9.00	9.74	10.50	12.11	14.00
	182.96	8.33	1.75		School	6.86	7.41	7.89	8.11	8.33	8.55	8.78	9.25	9.81
45	182.81	8.59	5.94		Student	3.60	5.48	7.09	7.85	8.59	9.34	10.10	11.71	13.59
	183.66	8.26	1.75		School	6.79	7.35	7.82	8.04	8.26	8.48	8.71	9.18	9.74
48	183.74	8.36	5.94		Student	3.36	5.24	6.85	7.61	8.36	9.10	9.86	11.47	13.35
	184.08	8.22	1.75		School	6.75	7.31	7.78	8.00	8.22	8.44	8.67	9.14	9.70
50	184.36	8.20	5.94		Student	3.20	5.08	6.69	7.45	8.20	8.94	9.70	11.31	13.19
	184.36	8.20	1.75		School	6.72	7.28	7.75	7.98	8.20	8.42	8.64	9.12	9.67
52	184.98	8.04	5.94		Student	3.04	4.92	6.53	7.29	8.04	8.78	9.54	11.15	13.04
	184.64	8.17	1.75		School	6.70	7.25	7.73	7.95	8.17	8.39	8.61	9.09	9.64
55	185.91	7.80	5.94		Student	2.80	4.69	6.30	7.05	7.80	8.55	9.30	10.91	12.80
	185.05	8.13	1.75		School	6.66	7.21	7.69	7.91	8.13	8.35	8.57	9.05	9.60
60	187.48	7.40	5.94		Student	2.40	4.28	5.89	6.65	7.40	8.14	8.90	10.51	12.39
	185.76	8.06	1.75		School	6.59	7.14	7.62	7.84	8.06	8.28	8.51	8.98	9.54
65	189.11	6.98	5.94		Student	1.98	3.86	5.47	6.23	6.98	7.72	8.48	10.09	11.98
	186.49	7.99	1.75		School	6.52	7.07	7.55	7.77	7.99	8.21	8.44	8.91	9.47
70	190.83	6.54	5.94		Student	1.54	3.42	5.03	5.79	6.54	7.28	8.04	9.65	11.54
	187.26	7.92	1.75		School	6.44	7.00	7.47	7.70	7.92	8.14	8.36	8.84	9.39
75	192.68	6.06	5.94		Student	1.07	2.95	4.56	5.32	6.06	6.81	7.57	9.18	11.06
	188.09	7.84	1.75		School	6.36	6.92	7.39	7.62	7.84	8.06	8.28	8.76	9.31
80	194.74	5.53	5.94		Student	0.54	2.42	4.03	4.79	5.53	6.28	7.04	8.65	10.53
	189.01	7.75	1.75		School	6.27	6.83	7.30	7.53	7.75	7.97	8.19	8.67	9.22
85	197.14	4.92	5.94		Student	-0.08	1.81	3.41	4.17	4.92	5.66	6.42	8.03	9.92
	190.09	7.64	1.75		School	6.17	6.73	7.20	7.42	7.64	7.87	8.09	8.56	9.12
90	200.16	4.14	5.94		Student	-0.85	1.03	2.64	3.40	4.14	4.89	5.65	7.26	9.14
	191.45	7.51	1.75		School	6.04	6.60	7.07	7.29	7.51	7.73	7.96	8.43	8.99

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.2: General Science Grade 3 From Last Spring To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	171.32	12.56	6.32	Student	7.24	9.24	10.96	11.76	12.56	13.35	14.16	15.87	17.88
	180.54	8.58	2.15	School	6.77	7.45	8.03	8.31	8.58	8.85	9.12	9.70	10.38
20	177.06	10.78	6.32	Student	5.46	7.47	9.18	9.99	10.78	11.57	12.38	14.09	16.10
	183.12	8.16	2.15	School	6.36	7.04	7.62	7.89	8.16	8.43	8.71	9.29	9.97
25	179.25	10.10	6.32	Student	4.79	6.79	8.50	9.31	10.10	10.90	11.70	13.42	15.42
	184.10	8.01	2.15	School	6.20	6.88	7.46	7.74	8.01	8.28	8.55	9.13	9.81
30	181.21	9.50	6.32	Student	4.18	6.18	7.90	8.70	9.50	10.29	11.10	12.81	14.81
	184.98	7.87	2.15	School	6.06	6.74	7.32	7.60	7.87	8.14	8.41	8.99	9.67
35	183.02	8.93	6.32	Student	3.62	5.62	7.33	8.14	8.93	9.73	10.54	12.25	14.25
	185.80	7.74	2.15	School	5.93	6.61	7.19	7.47	7.74	8.01	8.28	8.86	9.54
40	184.75	8.40	6.32	Student	3.08	5.09	6.80	7.61	8.40	9.19	10.00	11.71	13.72
	186.57	7.61	2.15	School	5.81	6.49	7.07	7.34	7.61	7.88	8.16	8.74	9.42
45	186.42	7.88	6.32	Student	2.57	4.57	6.28	7.09	7.88	8.68	9.49	11.20	13.20
	187.32	7.49	2.15	School	5.69	6.37	6.95	7.22	7.49	7.76	8.04	8.62	9.30
48	187.40	7.58	6.32	Student	2.26	4.27	5.98	6.78	7.58	8.37	9.18	10.89	12.90
	187.76	7.42	2.15	School	5.62	6.30	6.88	7.15	7.42	7.69	7.97	8.55	9.23
50	188.06	7.38	6.32	Student	2.06	4.06	5.78	6.58	7.38	8.17	8.98	10.69	12.69
	188.06	7.38	2.15	School	5.57	6.25	6.83	7.11	7.38	7.65	7.92	8.50	9.18
52	188.71	7.17	6.32	Student	1.86	3.86	5.57	6.38	7.17	7.97	8.77	10.49	12.49
	188.35	7.33	2.15	School	5.52	6.20	6.79	7.06	7.33	7.60	7.87	8.45	9.13
55	189.70	6.87	6.32	Student	1.55	3.55	5.27	6.07	6.87	7.66	8.47	10.18	12.19
	188.79	7.26	2.15	School	5.45	6.13	6.71	6.99	7.26	7.53	7.80	8.38	9.06
60	191.37	6.35	6.32	Student	1.03	3.04	4.75	5.56	6.35	7.15	7.95	9.67	11.67
	189.54	7.14	2.15	School	5.33	6.01	6.60	6.87	7.14	7.41	7.68	8.26	8.94
65	193.09	5.82	6.32	Student	0.50	2.50	4.22	5.02	5.82	6.61	7.42	9.13	11.14
	190.32	7.02	2.15	School	5.21	5.89	6.47	6.75	7.02	7.28	7.56	8.14	8.82
70	194.91	5.26	6.32	Student	-0.06	1.94	3.65	4.46	5.26	6.05	6.86	8.57	10.57
	191.13	6.88	2.15	School	5.08	5.76	6.34	6.62	6.88	7.15	7.43	8.01	8.69
75	196.87	4.65	6.32	Student	-0.67	1.33	3.05	3.85	4.65	5.44	6.25	7.96	9.97
	192.01	6.74	2.15	School	4.94	5.62	6.20	6.47	6.74	7.01	7.29	7.87	8.55
80	199.05	3.97	6.32	Student	-1.35	0.66	2.37	3.18	3.97	4.77	5.57	7.29	9.29
	192.99	6.59	2.15	School	4.78	5.46	6.04	6.32	6.59	6.86	7.13	7.71	8.39
85	201.60	3.19	6.32	Student	-2.13	-0.13	1.58	2.39	3.19	3.98	4.79	6.50	8.50
	194.13	6.41	2.15	School	4.60	5.28	5.86	6.14	6.41	6.67	6.95	7.53	8.21
90	204.80	2.19	6.32	Student	-3.12	-1.12	0.59	1.40	2.19	2.99	3.79	5.51	7.51
	195.57	6.18	2.15	School	4.37	5.05	5.63	5.91	6.18	6.45	6.72	7.30	7.98

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.3: General Science Grade 3 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	172.43	11.89	7.30	Student	5.74	8.06	10.04	10.97	11.89	12.81	13.74	15.72	18.03
	180.50	8.45	1.95	School	6.81	7.43	7.96	8.21	8.45	8.70	8.95	9.48	10.10
20	177.60	10.64	7.30	Student	4.49	6.81	8.79	9.72	10.64	11.56	12.49	14.47	16.79
	182.90	8.38	1.95	School	6.74	7.36	7.89	8.14	8.38	8.63	8.88	9.41	10.03
25	179.56	10.17	7.30	Student	4.02	6.34	8.32	9.25	10.17	11.08	12.02	13.99	16.31
	183.81	8.36	1.95	School	6.71	7.33	7.86	8.11	8.36	8.60	8.85	9.38	10.00
30	181.32	9.74	7.30	Student	3.59	5.91	7.89	8.82	9.74	10.66	11.59	13.57	15.89
	184.62	8.33	1.95	School	6.69	7.31	7.84	8.09	8.33	8.58	8.83	9.36	9.98
35	182.95	9.34	7.30	Student	3.20	5.51	7.49	8.43	9.34	10.26	11.19	13.17	15.49
	185.38	8.31	1.95	School	6.67	7.29	7.82	8.07	8.31	8.56	8.81	9.34	9.96
40	184.50	8.97	7.30	Student	2.82	5.14	7.12	8.05	8.97	9.89	10.82	12.80	15.12
	186.10	8.29	1.95	School	6.65	7.27	7.80	8.05	8.29	8.54	8.79	9.32	9.94
45	186.00	8.61	7.30	Student	2.46	4.78	6.76	7.69	8.61	9.53	10.46	12.44	14.75
	186.79	8.27	1.95	School	6.63	7.25	7.78	8.03	8.27	8.52	8.77	9.30	9.92
48	186.89	8.39	7.30	Student	2.25	4.56	6.54	7.48	8.39	9.31	10.24	12.22	14.54
	187.20	8.26	1.95	School	6.61	7.23	7.76	8.01	8.26	8.50	8.75	9.28	9.90
50	187.47	8.25	7.30	Student	2.10	4.42	6.40	7.33	8.25	9.17	10.10	12.08	14.40
	187.47	8.25	1.95	School	6.61	7.23	7.76	8.01	8.25	8.50	8.75	9.28	9.90
52	188.06	8.11	7.30	Student	1.96	4.28	6.26	7.19	8.11	9.03	9.96	11.94	14.25
	187.75	8.24	1.95	School	6.60	7.22	7.75	8.00	8.24	8.49	8.74	9.27	9.89
55	188.95	7.89	7.30	Student	1.75	4.06	6.04	6.98	7.89	8.81	9.74	11.72	14.04
	188.16	8.23	1.95	School	6.59	7.21	7.74	7.99	8.23	8.48	8.73	9.26	9.88
60	190.45	7.53	7.30	Student	1.39	3.70	5.68	6.61	7.53	8.45	9.38	11.36	13.68
	188.85	8.21	1.95	School	6.57	7.19	7.72	7.97	8.21	8.46	8.71	9.24	9.86
65	192.00	7.16	7.30	Student	1.01	3.33	5.31	6.24	7.16	8.08	9.01	10.99	13.30
	189.57	8.19	1.95	School	6.55	7.17	7.70	7.94	8.19	8.44	8.69	9.22	9.84
70	193.63	6.76	7.30	Student	0.62	2.93	4.91	5.85	6.76	7.68	8.61	10.59	12.91
	190.33	8.17	1.95	School	6.52	7.14	7.67	7.92	8.17	8.41	8.66	9.19	9.81
75	195.39	6.34	7.30	Student	0.19	2.51	4.49	5.42	6.34	7.25	8.19	10.17	12.48
	191.14	8.14	1.95	School	6.50	7.12	7.65	7.90	8.14	8.39	8.64	9.17	9.79
80	197.35	5.86	7.30	Student	-0.28	2.03	4.01	4.94	5.86	6.78	7.71	9.69	12.01
	192.05	8.12	1.95	School	6.47	7.09	7.62	7.87	8.12	8.36	8.61	9.14	9.76
85	199.64	5.31	7.30	Student	-0.84	1.48	3.46	4.39	5.31	6.23	7.16	9.14	11.46
	193.11	8.09	1.95	School	6.44	7.06	7.59	7.84	8.09	8.33	8.58	9.11	9.73
90	202.52	4.61	7.30	Student	-1.53	0.78	2.76	3.70	4.61	5.53	6.46	8.44	10.76
	194.45	8.05	1.95	School	6.40	7.02	7.55	7.80	8.05	8.29	8.54	9.07	9.69

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.4: General Science Grade 3 From Fall To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	172.43	12.37	7.25	Student	6.27	8.57	10.54	11.46	12.37	13.28	14.21	16.17	18.47
	180.50	8.59	2.10	School	6.82	7.49	8.06	8.33	8.59	8.86	9.13	9.70	10.36
20	177.60	10.86	7.25	Student	4.76	7.06	9.02	9.95	10.86	11.77	12.69	14.66	16.96
	182.90	8.38	2.10	School	6.61	7.27	7.84	8.11	8.38	8.64	8.91	9.48	10.15
25	179.56	10.28	7.25	Student	4.18	6.48	8.45	9.37	10.28	11.19	12.12	14.08	16.38
	183.81	8.29	2.10	School	6.52	7.19	7.76	8.03	8.29	8.56	8.83	9.40	10.06
30	181.32	9.77	7.25	Student	3.67	5.96	7.93	8.85	9.77	10.68	11.60	13.57	15.86
	184.62	8.22	2.10	School	6.45	7.12	7.69	7.95	8.22	8.48	8.75	9.32	9.99
35	182.95	9.29	7.25	Student	3.19	5.49	7.45	8.38	9.29	10.20	11.12	13.09	15.39
	185.38	8.15	2.10	School	6.38	7.05	7.62	7.89	8.15	8.41	8.68	9.25	9.92
40	184.50	8.83	7.25	Student	2.73	5.03	7.00	7.92	8.83	9.74	10.67	12.63	14.93
	186.10	8.08	2.10	School	6.31	6.98	7.55	7.82	8.08	8.35	8.62	9.19	9.86
45	186.00	8.39	7.25	Student	2.29	4.59	6.56	7.48	8.39	9.30	10.23	12.19	14.49
	186.79	8.02	2.10	School	6.25	6.92	7.49	7.76	8.02	8.29	8.55	9.12	9.79
48	186.89	8.13	7.25	Student	2.03	4.33	6.30	7.22	8.13	9.04	9.97	11.93	14.23
	187.20	7.98	2.10	School	6.21	6.88	7.45	7.72	7.98	8.25	8.52	9.09	9.75
50	187.47	7.96	7.25	Student	1.86	4.16	6.12	7.05	7.96	8.87	9.80	11.76	14.06
	187.47	7.96	2.10	School	6.19	6.86	7.43	7.69	7.96	8.22	8.49	9.06	9.73
52	188.06	7.79	7.25	Student	1.69	3.99	5.95	6.88	7.79	8.70	9.62	11.59	13.89
	187.75	7.93	2.10	School	6.16	6.83	7.40	7.67	7.93	8.20	8.47	9.04	9.70
55	188.95	7.53	7.25	Student	1.43	3.73	5.69	6.62	7.53	8.44	9.36	11.33	13.63
	188.16	7.90	2.10	School	6.13	6.79	7.36	7.63	7.90	8.16	8.43	9.00	9.67
60	190.45	7.09	7.25	Student	0.99	3.29	5.25	6.18	7.09	8.00	8.92	10.89	13.19
	188.85	7.83	2.10	School	6.06	6.73	7.30	7.57	7.83	8.10	8.37	8.94	9.60
65	192.00	6.63	7.25	Student	0.53	2.83	4.80	5.72	6.63	7.54	8.47	10.43	12.73
	189.57	7.77	2.10	School	6.00	6.67	7.24	7.50	7.77	8.03	8.30	8.87	9.54
70	193.63	6.15	7.25	Student	0.05	2.35	4.32	5.24	6.15	7.06	7.99	9.95	12.25
	190.33	7.70	2.10	School	5.93	6.60	7.17	7.43	7.70	7.96	8.23	8.80	9.47
75	195.39	5.64	7.25	Student	-0.46	1.84	3.80	4.73	5.64	6.55	7.47	9.44	11.74
	191.14	7.62	2.10	School	5.85	6.52	7.09	7.36	7.62	7.89	8.16	8.73	9.40
80	197.35	5.06	7.25	Student	-1.04	1.26	3.22	4.15	5.06	5.97	6.90	8.86	11.16
	192.05	7.54	2.10	School	5.77	6.44	7.01	7.28	7.54	7.81	8.07	8.65	9.31
85	199.64	4.39	7.25	Student	-1.71	0.59	2.55	3.48	4.39	5.30	6.23	8.19	10.49
	193.11	7.45	2.10	School	5.68	6.34	6.91	7.18	7.45	7.71	7.98	8.55	9.22
90	202.52	3.55	7.25	Student	-2.55	-0.25	1.71	2.64	3.55	4.46	5.38	7.35	9.65
	194.45	7.32	2.10	School	5.55	6.22	6.79	7.06	7.32	7.59	7.86	8.43	9.09

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.5: General Science Grade 3 From Fall To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	172.43	8.24	5.78	Student	3.38	5.21	6.78	7.52	8.24	8.97	9.71	11.27	13.11
	180.50	5.44	1.20	School	4.43	4.81	5.14	5.29	5.44	5.60	5.75	6.08	6.46
20	177.60	7.16	5.78	Student	2.30	4.13	5.69	6.43	7.16	7.88	8.62	10.19	12.02
	182.90	5.32	1.20	School	4.31	4.69	5.02	5.17	5.32	5.47	5.62	5.95	6.33
25	179.56	6.75	5.78	Student	1.88	3.72	5.28	6.02	6.75	7.47	8.21	9.78	11.61
	183.81	5.27	1.20	School	4.26	4.64	4.97	5.12	5.27	5.42	5.58	5.90	6.29
30	181.32	6.38	5.78	Student	1.51	3.35	4.91	5.65	6.38	7.10	7.84	9.41	11.24
	184.62	5.23	1.20	School	4.22	4.60	4.93	5.08	5.23	5.38	5.54	5.86	6.24
35	182.95	6.03	5.78	Student	1.17	3.00	4.57	5.31	6.03	6.76	7.50	9.06	10.89
	185.38	5.19	1.20	School	4.18	4.56	4.89	5.04	5.19	5.34	5.50	5.82	6.20
40	184.50	5.71	5.78	Student	0.84	2.68	4.24	4.98	5.71	6.43	7.17	8.74	10.57
	186.10	5.15	1.20	School	4.14	4.52	4.85	5.00	5.15	5.30	5.46	5.78	6.17
45	186.00	5.39	5.78	Student	0.53	2.36	3.93	4.67	5.39	6.12	6.86	8.42	10.25
	186.79	5.12	1.20	School	4.10	4.49	4.81	4.97	5.12	5.27	5.42	5.75	6.13
48	186.89	5.21	5.78	Student	0.34	2.18	3.74	4.48	5.21	5.93	6.67	8.23	10.07
	187.20	5.10	1.20	School	4.08	4.47	4.79	4.94	5.10	5.25	5.40	5.73	6.11
50	187.47	5.08	5.78	Student	0.22	2.05	3.62	4.36	5.08	5.81	6.55	8.11	9.94
	187.47	5.08	1.20	School	4.07	4.45	4.78	4.93	5.08	5.23	5.39	5.71	6.09
52	188.06	4.96	5.78	Student	0.10	1.93	3.49	4.23	4.96	5.68	6.42	7.99	9.82
	187.75	5.07	1.20	School	4.06	4.44	4.76	4.92	5.07	5.22	5.37	5.70	6.08
55	188.95	4.77	5.78	Student	-0.09	1.74	3.31	4.05	4.77	5.50	6.24	7.80	9.63
	188.16	5.05	1.20	School	4.03	4.42	4.74	4.89	5.05	5.20	5.35	5.68	6.06
60	190.45	4.46	5.78	Student	-0.41	1.43	2.99	3.73	4.46	5.18	5.92	7.49	9.32
	188.85	5.01	1.20	School	4.00	4.38	4.71	4.86	5.01	5.16	5.31	5.64	6.02
65	192.00	4.13	5.78	Student	-0.73	1.10	2.67	3.40	4.13	4.86	5.59	7.16	8.99
	189.57	4.97	1.20	School	3.96	4.34	4.67	4.82	4.97	5.12	5.28	5.60	5.98
70	193.63	3.79	5.78	Student	-1.07	0.76	2.32	3.06	3.79	4.51	5.25	6.82	8.65
	190.33	4.93	1.20	School	3.92	4.30	4.63	4.78	4.93	5.08	5.24	5.56	5.95
75	195.39	3.42	5.78	Student	-1.44	0.39	1.95	2.69	3.42	4.14	4.88	6.45	8.28
	191.14	4.89	1.20	School	3.88	4.26	4.59	4.74	4.89	5.04	5.20	5.52	5.90
80	197.35	3.00	5.78	Student	-1.86	-0.02	1.54	2.28	3.00	3.73	4.47	6.03	7.87
	192.05	4.84	1.20	School	3.83	4.21	4.54	4.69	4.84	4.99	5.15	5.47	5.86
85	199.64	2.52	5.78	Student	-2.34	-0.51	1.06	1.80	2.52	3.25	3.99	5.55	7.39
	193.11	4.79	1.20	School	3.78	4.16	4.48	4.64	4.79	4.94	5.09	5.42	5.80
90	202.52	1.92	5.78	Student	-2.94	-1.11	0.46	1.19	1.92	2.65	3.38	4.95	6.78
	194.45	4.72	1.20	School	3.71	4.09	4.41	4.57	4.72	4.87	5.02	5.35	5.73

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.6: General Science Grade 3 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	178.56	4.76	5.66	Student	0.00	1.80	3.33	4.05	4.76	5.48	6.20	7.73	9.53	
	185.77	2.88	0.93	School	2.10	2.39	2.65	2.76	2.88	3.00	3.12	3.37	3.66	
20	183.36	4.12	5.66	Student	-0.64	1.15	2.68	3.41	4.12	4.83	5.55	7.08	8.88	
	188.10	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	3.00	3.11	3.37	3.66	
25	185.19	3.87	5.66	Student	-0.89	0.90	2.44	3.16	3.87	4.58	5.30	6.84	8.63	
	188.98	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	3.00	3.11	3.37	3.66	
30	186.83	3.65	5.66	Student	-1.11	0.68	2.22	2.94	3.65	4.36	5.08	6.62	8.41	
	189.78	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	3.00	3.11	3.37	3.66	
35	188.35	3.44	5.66	Student	-1.32	0.48	2.01	2.73	3.44	4.16	4.88	6.41	8.21	
	190.52	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	3.00	3.11	3.36	3.66	
40	189.79	3.25	5.66	Student	-1.51	0.28	1.82	2.54	3.25	3.96	4.68	6.22	8.01	
	191.21	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
45	191.18	3.06	5.66	Student	-1.70	0.10	1.63	2.35	3.06	3.77	4.50	6.03	7.82	
	191.89	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
48	192.01	2.95	5.66	Student	-1.81	-0.02	1.52	2.24	2.95	3.66	4.38	5.92	7.71	
	192.29	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
50	192.56	2.88	5.66	Student	-1.88	-0.09	1.44	2.17	2.88	3.59	4.31	5.84	7.64	
	192.56	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
52	193.10	2.80	5.66	Student	-1.96	-0.16	1.37	2.09	2.80	3.51	4.24	5.77	7.57	
	192.82	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
55	193.93	2.69	5.66	Student	-2.07	-0.27	1.26	1.98	2.69	3.40	4.13	5.66	7.45	
	193.22	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
60	195.32	2.50	5.66	Student	-2.26	-0.46	1.07	1.79	2.50	3.22	3.94	5.47	7.27	
	193.90	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
65	196.76	2.31	5.66	Student	-2.45	-0.66	0.88	1.60	2.31	3.02	3.74	5.28	7.07	
	194.60	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
70	198.28	2.11	5.66	Student	-2.66	-0.86	0.67	1.39	2.11	2.82	3.54	5.07	6.87	
	195.33	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
75	199.92	1.88	5.66	Student	-2.88	-1.08	0.45	1.17	1.88	2.60	3.32	4.85	6.65	
	196.13	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
80	201.75	1.64	5.66	Student	-3.12	-1.33	0.20	0.93	1.64	2.35	3.07	4.61	6.40	
	197.01	2.88	0.93	School	2.10	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
85	203.88	1.35	5.66	Student	-3.41	-1.62	-0.08	0.64	1.35	2.06	2.78	4.32	6.11	
	198.04	2.88	0.93	School	2.09	2.39	2.64	2.76	2.88	2.99	3.11	3.36	3.66	
90	206.55	0.99	5.66	Student	-3.77	-1.98	-0.44	0.28	0.99	1.70	2.42	3.96	5.75	
	199.34	2.87	0.93	School	2.09	2.39	2.64	2.76	2.87	2.99	3.11	3.36	3.65	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.7: General Science Grade 4 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	177.92	9.29	5.89	Student	4.33	6.20	7.79	8.55	9.29	10.03	10.78	12.37	14.24
	185.78	6.69	1.65	School	5.30	5.82	6.27	6.48	6.69	6.90	7.11	7.55	8.07
20	182.88	8.28	5.89	Student	3.32	5.19	6.79	7.54	8.28	9.02	9.77	11.37	13.23
	188.04	6.57	1.65	School	5.19	5.71	6.15	6.36	6.57	6.78	6.99	7.44	7.96
25	184.77	7.89	5.89	Student	2.94	4.81	6.40	7.15	7.89	8.63	9.39	10.98	12.85
	188.91	6.53	1.65	School	5.14	5.66	6.11	6.32	6.53	6.73	6.94	7.39	7.91
30	186.46	7.55	5.89	Student	2.59	4.46	6.06	6.81	7.55	8.29	9.04	10.64	12.51
	189.68	6.49	1.65	School	5.10	5.62	6.07	6.28	6.49	6.69	6.90	7.35	7.87
35	188.03	7.23	5.89	Student	2.28	4.14	5.74	6.49	7.23	7.97	8.72	10.32	12.19
	190.40	6.45	1.65	School	5.06	5.59	6.03	6.24	6.45	6.66	6.87	7.31	7.84
40	189.52	6.93	5.89	Student	1.97	3.84	5.44	6.19	6.93	7.67	8.42	10.02	11.88
	191.08	6.42	1.65	School	5.03	5.55	6.00	6.21	6.42	6.62	6.83	7.28	7.80
45	190.96	6.64	5.89	Student	1.68	3.55	5.14	5.90	6.64	7.38	8.13	9.72	11.59
	191.73	6.38	1.65	School	5.00	5.52	5.96	6.17	6.38	6.59	6.80	7.25	7.77
48	191.81	6.46	5.89	Student	1.51	3.38	4.97	5.72	6.46	7.20	7.96	9.55	11.42
	192.12	6.36	1.65	School	4.98	5.50	5.94	6.15	6.36	6.57	6.78	7.23	7.75
50	192.38	6.35	5.89	Student	1.39	3.26	4.86	5.61	6.35	7.09	7.84	9.44	11.30
	192.38	6.35	1.65	School	4.96	5.48	5.93	6.14	6.35	6.56	6.77	7.21	7.73
52	192.95	6.23	5.89	Student	1.28	3.15	4.74	5.49	6.23	6.97	7.73	9.32	11.19
	192.64	6.34	1.65	School	4.95	5.47	5.92	6.13	6.34	6.54	6.75	7.20	7.72
55	193.80	6.06	5.89	Student	1.10	2.97	4.57	5.32	6.06	6.80	7.55	9.15	11.02
	193.03	6.32	1.65	School	4.93	5.45	5.90	6.11	6.32	6.52	6.73	7.18	7.70
60	195.24	5.77	5.89	Student	0.81	2.68	4.28	5.03	5.77	6.51	7.26	8.86	10.72
	193.69	6.28	1.65	School	4.89	5.42	5.86	6.07	6.28	6.49	6.70	7.14	7.67
65	196.73	5.47	5.89	Student	0.51	2.38	3.97	4.73	5.47	6.21	6.96	8.55	10.42
	194.37	6.25	1.65	School	4.86	5.38	5.83	6.04	6.25	6.45	6.66	7.11	7.63
70	198.30	5.15	5.89	Student	0.19	2.06	3.65	4.41	5.15	5.89	6.64	8.23	10.10
	195.08	6.21	1.65	School	4.82	5.35	5.79	6.00	6.21	6.42	6.63	7.07	7.60
75	199.99	4.80	5.89	Student	-0.15	1.71	3.31	4.06	4.80	5.54	6.29	7.89	9.76
	195.86	6.17	1.65	School	4.78	5.31	5.75	5.96	6.17	6.38	6.59	7.03	7.56
80	201.88	4.42	5.89	Student	-0.54	1.33	2.93	3.68	4.42	5.16	5.91	7.51	9.38
	196.72	6.13	1.65	School	4.74	5.26	5.71	5.92	6.13	6.33	6.54	6.99	7.51
85	204.08	3.97	5.89	Student	-0.98	0.89	2.48	3.23	3.97	4.71	5.46	7.06	8.93
	197.72	6.07	1.65	School	4.69	5.21	5.66	5.87	6.07	6.28	6.49	6.94	7.46
90	206.84	3.41	5.89	Student	-1.54	0.32	1.92	2.67	3.41	4.15	4.90	6.50	8.37
	198.98	6.01	1.65	School	4.62	5.14	5.59	5.80	6.01	6.22	6.43	6.87	7.39

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.8: General Science Grade 4 From Last Spring To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	180.17	9.36	6.26	Student	4.08	6.07	7.77	8.57	9.36	10.14	10.94	12.64	14.63
	188.20	6.53	2.12	School	4.74	5.42	5.99	6.26	6.53	6.79	7.06	7.64	8.31
20	185.30	8.16	6.26	Student	2.89	4.88	6.58	7.38	8.16	8.95	9.75	11.45	13.43
	190.57	6.30	2.12	School	4.52	5.19	5.77	6.04	6.30	6.57	6.84	7.41	8.09
25	187.25	7.71	6.26	Student	2.44	4.43	6.12	6.92	7.71	8.50	9.30	10.99	12.98
	191.47	6.22	2.12	School	4.44	5.11	5.68	5.96	6.22	6.49	6.76	7.33	8.00
30	189.00	7.30	6.26	Student	2.03	4.02	5.72	6.52	7.30	8.09	8.89	10.59	12.57
	192.28	6.15	2.12	School	4.36	5.04	5.61	5.88	6.15	6.41	6.68	7.26	7.93
35	190.62	6.93	6.26	Student	1.66	3.64	5.34	6.14	6.93	7.71	8.51	10.21	12.20
	193.03	6.08	2.12	School	4.29	4.97	5.54	5.81	6.08	6.34	6.61	7.19	7.86
40	192.16	6.57	6.26	Student	1.30	3.29	4.98	5.78	6.57	7.36	8.16	9.85	11.84
	193.75	6.01	2.12	School	4.23	4.90	5.47	5.74	6.01	6.28	6.55	7.12	7.79
45	193.65	6.22	6.26	Student	0.95	2.94	4.64	5.44	6.22	7.01	7.81	9.51	11.49
	194.43	5.95	2.12	School	4.16	4.84	5.41	5.68	5.95	6.21	6.48	7.06	7.73
48	194.53	6.02	6.26	Student	0.75	2.74	4.43	5.23	6.02	6.81	7.61	9.30	11.29
	194.84	5.91	2.12	School	4.13	4.80	5.37	5.64	5.91	6.17	6.44	7.02	7.69
50	195.11	5.88	6.26	Student	0.61	2.60	4.30	5.10	5.88	6.67	7.47	9.17	11.15
	195.11	5.88	2.12	School	4.10	4.77	5.35	5.62	5.88	6.15	6.42	6.99	7.66
52	195.70	5.75	6.26	Student	0.48	2.46	4.16	4.96	5.75	6.53	7.33	9.03	11.02
	195.38	5.86	2.12	School	4.08	4.75	5.32	5.59	5.86	6.12	6.39	6.97	7.64
55	196.58	5.54	6.26	Student	0.27	2.26	3.96	4.76	5.54	6.33	7.13	8.83	10.81
	195.79	5.82	2.12	School	4.04	4.71	5.28	5.55	5.82	6.09	6.36	6.93	7.60
60	198.07	5.20	6.26	Student	-0.07	1.91	3.61	4.41	5.20	5.98	6.78	8.48	10.47
	196.48	5.76	2.12	School	3.98	4.65	5.22	5.49	5.76	6.02	6.29	6.87	7.54
65	199.60	4.84	6.26	Student	-0.43	1.56	3.25	4.05	4.84	5.63	6.43	8.12	10.11
	197.19	5.69	2.12	School	3.91	4.58	5.15	5.42	5.69	5.96	6.23	6.80	7.47
70	201.23	4.46	6.26	Student	-0.81	1.18	2.88	3.68	4.46	5.25	6.05	7.75	9.73
	197.94	5.62	2.12	School	3.84	4.51	5.08	5.35	5.62	5.89	6.16	6.73	7.40
75	202.98	4.06	6.26	Student	-1.21	0.77	2.47	3.27	4.06	4.84	5.64	7.34	9.33
	198.75	5.55	2.12	School	3.76	4.44	5.01	5.28	5.55	5.81	6.08	6.66	7.33
80	204.92	3.60	6.26	Student	-1.67	0.32	2.02	2.82	3.60	4.39	5.19	6.89	8.87
	199.65	5.46	2.12	School	3.68	4.35	4.93	5.20	5.46	5.73	6.00	6.57	7.24
85	207.19	3.08	6.26	Student	-2.19	-0.21	1.49	2.29	3.08	3.86	4.66	6.36	8.35
	200.70	5.36	2.12	School	3.58	4.25	4.83	5.10	5.36	5.63	5.90	6.47	7.15
90	210.05	2.41	6.26	Student	-2.86	-0.87	0.82	1.62	2.41	3.20	4.00	5.70	7.68
	202.03	5.24	2.12	School	3.46	4.13	4.71	4.98	5.24	5.51	5.78	6.35	7.02

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.9: General Science Grade 4 From Fall To N Fall Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	180.28	9.01	6.63	Student	3.43	5.53	7.33	8.18	9.01	9.84	10.69	12.49	14.59	
	188.03	6.89	1.61	School	5.53	6.04	6.48	6.68	6.89	7.09	7.29	7.73	8.24	
20	185.19	8.29	6.63	Student	2.71	4.81	6.61	7.46	8.29	9.13	9.97	11.77	13.88	
	190.28	6.90	1.61	School	5.54	6.05	6.49	6.70	6.90	7.10	7.31	7.74	8.25	
25	187.06	8.02	6.63	Student	2.44	4.54	6.34	7.19	8.02	8.85	9.70	11.50	13.60	
	191.14	6.90	1.61	School	5.55	6.06	6.49	6.70	6.90	7.10	7.31	7.75	8.26	
30	188.73	7.78	6.63	Student	2.19	4.30	6.09	6.94	7.78	8.61	9.46	11.25	13.36	
	191.90	6.91	1.61	School	5.55	6.06	6.50	6.70	6.91	7.11	7.31	7.75	8.26	
35	190.28	7.55	6.63	Student	1.96	4.07	5.87	6.71	7.55	8.38	9.23	11.03	13.13	
	192.61	6.91	1.61	School	5.56	6.07	6.50	6.71	6.91	7.11	7.32	7.75	8.26	
40	191.76	7.33	6.63	Student	1.75	3.85	5.65	6.50	7.33	8.17	9.01	10.81	12.92	
	193.29	6.91	1.61	School	5.56	6.07	6.51	6.71	6.91	7.12	7.32	7.76	8.27	
45	193.18	7.12	6.63	Student	1.54	3.65	5.44	6.29	7.12	7.96	8.81	10.60	12.71	
	193.94	6.92	1.61	School	5.56	6.07	6.51	6.71	6.92	7.12	7.32	7.76	8.27	
48	194.02	7.00	6.63	Student	1.42	3.52	5.32	6.17	7.00	7.84	8.68	10.48	12.59	
	194.33	6.92	1.61	School	5.56	6.07	6.51	6.72	6.92	7.12	7.33	7.76	8.27	
50	194.58	6.92	6.63	Student	1.34	3.44	5.24	6.09	6.92	7.75	8.60	10.40	12.50	
	194.58	6.92	1.61	School	5.57	6.08	6.51	6.72	6.92	7.12	7.33	7.76	8.27	
52	195.14	6.84	6.63	Student	1.25	3.36	5.16	6.00	6.84	7.67	8.52	10.32	12.42	
	194.84	6.92	1.61	School	5.57	6.08	6.51	6.72	6.92	7.12	7.33	7.76	8.27	
55	195.99	6.71	6.63	Student	1.13	3.24	5.03	5.88	6.71	7.55	8.40	10.19	12.30	
	195.23	6.92	1.61	School	5.57	6.08	6.52	6.72	6.92	7.12	7.33	7.77	8.28	
60	197.41	6.51	6.63	Student	0.92	3.03	4.83	5.67	6.51	7.34	8.19	9.99	12.09	
	195.88	6.93	1.61	School	5.57	6.08	6.52	6.72	6.93	7.13	7.33	7.77	8.28	
65	198.88	6.29	6.63	Student	0.71	2.81	4.61	5.46	6.29	7.12	7.97	9.77	11.87	
	196.55	6.93	1.61	School	5.58	6.09	6.52	6.73	6.93	7.13	7.34	7.77	8.28	
70	200.43	6.06	6.63	Student	0.48	2.59	4.38	5.23	6.06	6.90	7.75	9.54	11.65	
	197.26	6.93	1.61	School	5.58	6.09	6.53	6.73	6.93	7.14	7.34	7.78	8.29	
75	202.11	5.82	6.63	Student	0.24	2.34	4.14	4.99	5.82	6.65	7.50	9.30	11.40	
	198.03	6.94	1.61	School	5.58	6.09	6.53	6.73	6.94	7.14	7.34	7.78	8.29	
80	203.97	5.55	6.63	Student	-0.04	2.07	3.87	4.71	5.55	6.38	7.23	9.03	11.13	
	198.89	6.94	1.61	School	5.59	6.10	6.53	6.74	6.94	7.14	7.35	7.78	8.30	
85	206.15	5.23	6.63	Student	-0.35	1.75	3.55	4.40	5.23	6.06	6.91	8.71	10.81	
	199.88	6.95	1.61	School	5.59	6.10	6.54	6.74	6.95	7.15	7.35	7.79	8.30	
90	208.88	4.83	6.63	Student	-0.75	1.35	3.15	4.00	4.83	5.66	6.51	8.31	10.41	
	201.13	6.95	1.61	School	5.60	6.11	6.55	6.75	6.95	7.15	7.36	7.80	8.31	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.10: General Science Grade 4 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	180.28	9.68	6.73	Student	4.02	6.16	7.98	8.84	9.68	10.53	11.39	13.21	15.34	
	188.03	6.56	1.86	School	4.99	5.58	6.09	6.33	6.56	6.79	7.03	7.54	8.13	
20	185.19	8.56	6.73	Student	2.90	5.03	6.86	7.72	8.56	9.41	10.26	12.09	14.22	
	190.28	6.51	1.86	School	4.94	5.53	6.04	6.27	6.51	6.74	6.98	7.49	8.08	
25	187.06	8.13	6.73	Student	2.47	4.61	6.43	7.29	8.13	8.98	9.84	11.66	13.79	
	191.14	6.49	1.86	School	4.92	5.51	6.02	6.26	6.49	6.72	6.96	7.47	8.06	
30	188.73	7.75	6.73	Student	2.09	4.22	6.05	6.91	7.75	8.60	9.46	11.28	13.41	
	191.90	6.47	1.86	School	4.91	5.50	6.00	6.24	6.47	6.71	6.94	7.45	8.04	
35	190.28	7.40	6.73	Student	1.74	3.87	5.69	6.55	7.40	8.24	9.10	10.92	13.06	
	192.61	6.46	1.86	School	4.89	5.48	5.98	6.22	6.46	6.69	6.93	7.43	8.02	
40	191.76	7.06	6.73	Student	1.40	3.53	5.36	6.21	7.06	7.90	8.76	10.59	12.72	
	193.29	6.44	1.86	School	4.87	5.46	5.97	6.21	6.44	6.68	6.91	7.42	8.01	
45	193.18	6.73	6.73	Student	1.07	3.21	5.03	5.89	6.73	7.58	8.44	10.26	12.39	
	193.94	6.43	1.86	School	4.86	5.45	5.96	6.19	6.43	6.66	6.90	7.40	7.99	
48	194.02	6.54	6.73	Student	0.88	3.01	4.84	5.70	6.54	7.39	8.24	10.07	12.20	
	194.33	6.42	1.86	School	4.85	5.44	5.95	6.18	6.42	6.65	6.89	7.39	7.99	
50	194.58	6.41	6.73	Student	0.75	2.89	4.71	5.57	6.41	7.26	8.12	9.94	12.07	
	194.58	6.41	1.86	School	4.85	5.44	5.94	6.18	6.41	6.65	6.88	7.39	7.98	
52	195.14	6.28	6.73	Student	0.62	2.76	4.58	5.44	6.28	7.13	7.99	9.81	11.94	
	194.84	6.41	1.86	School	4.84	5.43	5.93	6.17	6.41	6.64	6.88	7.38	7.97	
55	195.99	6.09	6.73	Student	0.43	2.56	4.39	5.25	6.09	6.94	7.80	9.62	11.75	
	195.23	6.40	1.86	School	4.83	5.42	5.93	6.16	6.40	6.63	6.87	7.37	7.97	
60	197.41	5.77	6.73	Student	0.11	2.24	4.06	4.92	5.77	6.61	7.47	9.29	11.43	
	195.88	6.38	1.86	School	4.82	5.41	5.91	6.15	6.38	6.62	6.86	7.36	7.95	
65	198.88	5.43	6.73	Student	-0.23	1.90	3.73	4.58	5.43	6.27	7.13	8.96	11.09	
	196.55	6.37	1.86	School	4.80	5.39	5.90	6.13	6.37	6.60	6.84	7.35	7.94	
70	200.43	5.07	6.73	Student	-0.59	1.55	3.37	4.23	5.07	5.92	6.78	8.60	10.73	
	197.26	6.35	1.86	School	4.79	5.38	5.88	6.12	6.35	6.59	6.82	7.33	7.92	
75	202.11	4.69	6.73	Student	-0.97	1.16	2.99	3.85	4.69	5.54	6.39	8.22	10.35	
	198.03	6.34	1.86	School	4.77	5.36	5.86	6.10	6.34	6.57	6.81	7.31	7.90	
80	203.97	4.26	6.73	Student	-1.40	0.74	2.56	3.42	4.26	5.11	5.97	7.79	9.92	
	198.89	6.32	1.86	School	4.75	5.34	5.84	6.08	6.32	6.55	6.79	7.29	7.88	
85	206.15	3.77	6.73	Student	-1.89	0.24	2.06	2.92	3.77	4.61	5.47	7.29	9.43	
	199.88	6.29	1.86	School	4.73	5.32	5.82	6.06	6.29	6.53	6.77	7.27	7.86	
90	208.88	3.14	6.73	Student	-2.52	-0.39	1.44	2.30	3.14	3.99	4.84	6.67	8.80	
	201.13	6.27	1.86	School	4.70	5.29	5.79	6.03	6.27	6.50	6.74	7.24	7.83	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.11: General Science Grade 4 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	180.28	6.69	5.60	Student	1.97	3.75	5.27	5.98	6.69	7.39	8.11	9.63	11.41	
	188.03	4.23	1.07	School	3.33	3.67	3.96	4.10	4.23	4.36	4.50	4.79	5.13	
20	185.19	5.82	5.60	Student	1.10	2.88	4.40	5.11	5.82	6.52	7.24	8.75	10.53	
	190.28	4.20	1.07	School	3.30	3.64	3.93	4.07	4.20	4.33	4.47	4.76	5.10	
25	187.06	5.48	5.60	Student	0.77	2.55	4.06	4.78	5.48	6.19	6.90	8.42	10.20	
	191.14	4.19	1.07	School	3.29	3.63	3.92	4.06	4.19	4.32	4.46	4.75	5.09	
30	188.73	5.19	5.60	Student	0.47	2.25	3.77	4.48	5.19	5.89	6.61	8.12	9.90	
	191.90	4.18	1.07	School	3.28	3.62	3.91	4.05	4.18	4.31	4.45	4.74	5.08	
35	190.28	4.91	5.60	Student	0.19	1.97	3.49	4.21	4.91	5.61	6.33	7.85	9.63	
	192.61	4.17	1.07	School	3.27	3.61	3.90	4.04	4.17	4.30	4.44	4.73	5.07	
40	191.76	4.65	5.60	Student	-0.07	1.71	3.23	3.94	4.65	5.35	6.07	7.59	9.36	
	193.29	4.16	1.07	School	3.27	3.60	3.89	4.03	4.16	4.30	4.43	4.72	5.06	
45	193.18	4.39	5.60	Student	-0.32	1.46	2.98	3.69	4.39	5.10	5.81	7.33	9.11	
	193.94	4.15	1.07	School	3.26	3.60	3.88	4.02	4.15	4.29	4.42	4.71	5.05	
48	194.02	4.25	5.60	Student	-0.47	1.31	2.83	3.54	4.25	4.95	5.66	7.18	8.96	
	194.33	4.15	1.07	School	3.25	3.59	3.88	4.01	4.15	4.28	4.42	4.71	5.05	
50	194.58	4.15	5.60	Student	-0.57	1.21	2.73	3.44	4.15	4.85	5.57	7.08	8.86	
	194.58	4.15	1.07	School	3.25	3.59	3.88	4.01	4.15	4.28	4.42	4.70	5.04	
52	195.14	4.05	5.60	Student	-0.67	1.11	2.63	3.34	4.05	4.75	5.47	6.98	8.76	
	194.84	4.14	1.07	School	3.25	3.58	3.87	4.01	4.14	4.28	4.41	4.70	5.04	
55	195.99	3.90	5.60	Student	-0.82	0.96	2.48	3.19	3.90	4.60	5.32	6.83	8.61	
	195.23	4.14	1.07	School	3.24	3.58	3.87	4.00	4.14	4.27	4.41	4.70	5.03	
60	197.41	3.64	5.60	Student	-1.07	0.70	2.22	2.94	3.64	4.35	5.06	6.58	8.36	
	195.88	4.13	1.07	School	3.23	3.57	3.86	4.00	4.13	4.26	4.40	4.69	5.03	
65	198.88	3.38	5.60	Student	-1.34	0.44	1.96	2.68	3.38	4.08	4.80	6.32	8.10	
	196.55	4.12	1.07	School	3.22	3.56	3.85	3.99	4.12	4.25	4.39	4.68	5.02	
70	200.43	3.10	5.60	Student	-1.61	0.17	1.69	2.40	3.10	3.81	4.52	6.04	7.82	
	197.26	4.11	1.07	School	3.21	3.55	3.84	3.98	4.11	4.24	4.38	4.67	5.01	
75	202.11	2.81	5.60	Student	-1.91	-0.13	1.39	2.10	2.81	3.51	4.23	5.75	7.52	
	198.03	4.10	1.07	School	3.20	3.54	3.83	3.97	4.10	4.24	4.37	4.66	5.00	
80	203.97	2.48	5.60	Student	-2.24	-0.46	1.06	1.77	2.48	3.18	3.89	5.41	7.19	
	198.89	4.09	1.07	School	3.19	3.53	3.82	3.96	4.09	4.22	4.36	4.65	4.99	
85	206.15	2.09	5.60	Student	-2.63	-0.85	0.67	1.38	2.09	2.79	3.51	5.03	6.80	
	199.88	4.08	1.07	School	3.18	3.52	3.81	3.94	4.08	4.21	4.35	4.64	4.97	
90	208.88	1.60	5.60	Student	-3.11	-1.34	0.18	0.90	1.60	2.31	3.02	4.54	6.32	
	201.13	4.06	1.07	School	3.17	3.50	3.79	3.93	4.06	4.20	4.33	4.62	4.96	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.12: General Science Grade 4 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	184.95	3.94	5.49	Student	-0.68	1.06	2.55	3.25	3.94	4.63	5.33	6.82	8.56	
	192.12	2.12	0.79	School	1.45	1.70	1.92	2.02	2.12	2.22	2.32	2.53	2.78	
20	189.68	3.37	5.49	Student	-1.25	0.49	1.98	2.68	3.37	4.06	4.76	6.25	7.99	
	194.39	2.17	0.79	School	1.50	1.75	1.97	2.07	2.17	2.27	2.37	2.58	2.84	
25	191.48	3.15	5.49	Student	-1.47	0.27	1.76	2.46	3.15	3.84	4.54	6.03	7.77	
	195.25	2.19	0.79	School	1.52	1.77	1.99	2.09	2.19	2.29	2.39	2.60	2.86	
30	193.09	2.95	5.49	Student	-1.67	0.07	1.56	2.26	2.95	3.64	4.34	5.83	7.57	
	196.02	2.21	0.79	School	1.54	1.79	2.01	2.11	2.21	2.31	2.41	2.62	2.87	
35	194.59	2.77	5.49	Student	-1.85	-0.11	1.38	2.08	2.77	3.46	4.16	5.65	7.39	
	196.74	2.22	0.79	School	1.56	1.81	2.02	2.12	2.22	2.32	2.42	2.64	2.89	
40	196.01	2.60	5.49	Student	-2.02	-0.28	1.21	1.91	2.60	3.29	3.99	5.48	7.22	
	197.42	2.24	0.79	School	1.57	1.82	2.04	2.14	2.24	2.34	2.44	2.65	2.90	
45	197.38	2.43	5.49	Student	-2.19	-0.45	1.04	1.74	2.43	3.12	3.82	5.31	7.05	
	198.08	2.25	0.79	School	1.59	1.84	2.05	2.15	2.25	2.35	2.45	2.67	2.92	
48	198.19	2.33	5.49	Student	-2.29	-0.55	0.94	1.64	2.33	3.02	3.72	5.21	6.95	
	198.47	2.26	0.79	School	1.59	1.85	2.06	2.16	2.26	2.36	2.46	2.68	2.93	
50	198.73	2.27	5.49	Student	-2.35	-0.61	0.88	1.58	2.27	2.96	3.66	5.15	6.89	
	198.73	2.27	0.79	School	1.60	1.85	2.07	2.17	2.27	2.37	2.47	2.68	2.93	
52	199.27	2.20	5.49	Student	-2.42	-0.68	0.81	1.51	2.20	2.89	3.59	5.08	6.82	
	198.99	2.27	0.79	School	1.61	1.86	2.07	2.17	2.27	2.37	2.47	2.69	2.94	
55	200.08	2.10	5.49	Student	-2.52	-0.78	0.71	1.41	2.10	2.79	3.49	4.98	6.72	
	199.38	2.28	0.79	School	1.61	1.87	2.08	2.18	2.28	2.38	2.48	2.70	2.95	
60	201.45	1.94	5.49	Student	-2.69	-0.94	0.54	1.25	1.94	2.63	3.33	4.81	6.56	
	200.04	2.30	0.79	School	1.63	1.88	2.10	2.20	2.30	2.40	2.50	2.71	2.96	
65	202.87	1.76	5.49	Student	-2.86	-1.12	0.37	1.07	1.76	2.45	3.15	4.64	6.38	
	200.72	2.31	0.79	School	1.65	1.90	2.11	2.21	2.31	2.41	2.51	2.73	2.98	
70	204.37	1.58	5.49	Student	-3.04	-1.30	0.19	0.89	1.58	2.27	2.97	4.46	6.20	
	201.43	2.33	0.79	School	1.66	1.91	2.13	2.23	2.33	2.43	2.53	2.74	3.00	
75	205.98	1.38	5.49	Student	-3.24	-1.49	-0.01	0.69	1.38	2.07	2.78	4.26	6.01	
	202.21	2.35	0.79	School	1.68	1.93	2.14	2.25	2.35	2.45	2.55	2.76	3.01	
80	207.78	1.17	5.49	Student	-3.46	-1.71	-0.23	0.48	1.17	1.86	2.56	4.05	5.79	
	203.07	2.37	0.79	School	1.70	1.95	2.16	2.27	2.37	2.46	2.57	2.78	3.03	
85	209.87	0.91	5.49	Student	-3.71	-1.97	-0.48	0.22	0.91	1.60	2.30	3.79	5.53	
	204.07	2.39	0.79	School	1.72	1.97	2.19	2.29	2.39	2.49	2.59	2.80	3.05	
90	212.50	0.59	5.49	Student	-4.03	-2.29	-0.80	-0.10	0.59	1.28	1.98	3.47	5.21	
	205.34	2.42	0.79	School	1.75	2.00	2.22	2.32	2.42	2.52	2.62	2.83	3.08	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.13: General Science Grade 5 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	184.11	8.11	6.06	Student	3.01	4.93	6.57	7.35	8.11	8.87	9.64	11.28	13.21
	191.87	5.47	1.39	School	4.30	4.74	5.12	5.30	5.47	5.64	5.82	6.20	6.64
20	189.00	7.16	6.06	Student	2.06	3.98	5.62	6.40	7.16	7.92	8.69	10.34	12.26
	194.09	5.43	1.39	School	4.26	4.70	5.08	5.25	5.43	5.60	5.78	6.15	6.59
25	190.85	6.80	6.06	Student	1.70	3.62	5.26	6.04	6.80	7.56	8.33	9.97	11.90
	194.94	5.41	1.39	School	4.24	4.68	5.06	5.24	5.41	5.58	5.76	6.14	6.58
30	192.52	6.47	6.06	Student	1.38	3.30	4.94	5.71	6.47	7.24	8.01	9.65	11.57
	195.69	5.40	1.39	School	4.23	4.67	5.04	5.22	5.40	5.57	5.75	6.12	6.56
35	194.06	6.17	6.06	Student	1.08	3.00	4.64	5.41	6.17	6.94	7.71	9.35	11.27
	196.40	5.38	1.39	School	4.22	4.65	5.03	5.21	5.38	5.56	5.73	6.11	6.55
40	195.53	5.89	6.06	Student	0.79	2.71	4.36	5.13	5.89	6.65	7.42	9.07	10.99
	197.06	5.37	1.39	School	4.20	4.64	5.02	5.19	5.37	5.54	5.72	6.10	6.54
45	196.95	5.61	6.06	Student	0.52	2.44	4.08	4.85	5.61	6.38	7.15	8.79	10.71
	197.71	5.36	1.39	School	4.19	4.63	5.01	5.18	5.36	5.53	5.71	6.08	6.52
48	197.78	5.45	6.06	Student	0.35	2.28	3.92	4.69	5.45	6.21	6.99	8.63	10.55
	198.09	5.35	1.39	School	4.18	4.62	5.00	5.17	5.35	5.52	5.70	6.08	6.52
50	198.34	5.34	6.06	Student	0.25	2.17	3.81	4.58	5.34	6.10	6.88	8.52	10.44
	198.34	5.34	1.39	School	4.18	4.62	4.99	5.17	5.34	5.52	5.69	6.07	6.51
52	198.90	5.24	6.06	Student	0.14	2.06	3.70	4.47	5.24	6.00	6.77	8.41	10.33
	198.59	5.34	1.39	School	4.17	4.61	4.99	5.16	5.34	5.51	5.69	6.07	6.51
55	199.74	5.07	6.06	Student	-0.02	1.90	3.54	4.31	5.07	5.83	6.61	8.25	10.17
	198.98	5.33	1.39	School	4.17	4.60	4.98	5.16	5.33	5.51	5.68	6.06	6.50
60	201.15	4.80	6.06	Student	-0.30	1.62	3.26	4.04	4.80	5.56	6.33	7.97	9.90
	199.62	5.32	1.39	School	4.15	4.59	4.97	5.14	5.32	5.49	5.67	6.05	6.49
65	202.62	4.51	6.06	Student	-0.58	1.34	2.98	3.75	4.51	5.27	6.05	7.69	9.61
	200.29	5.31	1.39	School	4.14	4.58	4.95	5.13	5.31	5.48	5.66	6.03	6.47
70	204.16	4.21	6.06	Student	-0.88	1.04	2.68	3.45	4.21	4.97	5.75	7.39	9.31
	200.99	5.29	1.39	School	4.13	4.57	4.94	5.12	5.29	5.47	5.64	6.02	6.46
75	205.83	3.89	6.06	Student	-1.21	0.71	2.35	3.13	3.89	4.65	5.42	7.07	8.99
	201.75	5.28	1.39	School	4.11	4.55	4.93	5.10	5.28	5.45	5.63	6.00	6.44
80	207.69	3.53	6.06	Student	-1.57	0.35	1.99	2.77	3.53	4.29	5.06	6.70	8.63
	202.59	5.26	1.39	School	4.09	4.53	4.91	5.09	5.26	5.44	5.61	5.99	6.43
85	209.85	3.11	6.06	Student	-1.99	-0.07	1.57	2.35	3.11	3.87	4.64	6.28	8.21
	203.57	5.24	1.39	School	4.08	4.52	4.89	5.07	5.24	5.42	5.59	5.97	6.41
90	212.57	2.58	6.06	Student	-2.52	-0.60	1.05	1.82	2.58	3.34	4.11	5.76	7.68
	204.81	5.22	1.39	School	4.05	4.49	4.87	5.04	5.22	5.39	5.57	5.94	6.38

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.14: General Science Grade 5 From Last Spring To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	186.02	8.16	6.45	Student	2.74	4.78	6.53	7.35	8.16	8.97	9.80	11.54	13.59
	194.05	5.30	1.87	School	3.72	4.32	4.82	5.06	5.30	5.53	5.77	6.28	6.88
20	191.12	7.02	6.45	Student	1.60	3.64	5.39	6.21	7.02	7.83	8.66	10.40	12.45
	196.39	5.14	1.87	School	3.57	4.16	4.67	4.91	5.14	5.38	5.62	6.13	6.72
25	193.06	6.59	6.45	Student	1.17	3.21	4.96	5.78	6.59	7.40	8.23	9.97	12.02
	197.28	5.08	1.87	School	3.51	4.10	4.61	4.85	5.08	5.32	5.56	6.07	6.66
30	194.80	6.20	6.45	Student	0.78	2.82	4.57	5.39	6.20	7.01	7.84	9.58	11.63
	198.08	5.03	1.87	School	3.45	4.05	4.56	4.80	5.03	5.27	5.51	6.02	6.61
35	196.41	5.84	6.45	Student	0.42	2.46	4.21	5.03	5.84	6.65	7.48	9.22	11.27
	198.82	4.98	1.87	School	3.41	4.00	4.51	4.75	4.98	5.22	5.46	5.97	6.56
40	197.94	5.50	6.45	Student	0.08	2.12	3.87	4.69	5.50	6.31	7.14	8.88	10.93
	199.53	4.94	1.87	School	3.36	3.95	4.46	4.70	4.94	5.17	5.41	5.92	6.51
45	199.42	5.17	6.45	Student	-0.25	1.79	3.54	4.36	5.17	5.98	6.81	8.55	10.60
	200.21	4.89	1.87	School	3.31	3.91	4.42	4.66	4.89	5.13	5.37	5.87	6.47
48	200.29	4.98	6.45	Student	-0.45	1.60	3.34	4.17	4.98	5.79	6.61	8.36	10.40
	200.61	4.87	1.87	School	3.29	3.88	4.39	4.63	4.87	5.10	5.34	5.85	6.44
50	200.88	4.85	6.45	Student	-0.58	1.47	3.21	4.04	4.85	5.66	6.48	8.23	10.27
	200.88	4.85	1.87	School	3.27	3.86	4.37	4.61	4.85	5.08	5.32	5.83	6.43
52	201.46	4.72	6.45	Student	-0.71	1.34	3.08	3.91	4.72	5.53	6.35	8.10	10.14
	201.14	4.83	1.87	School	3.25	3.85	4.35	4.59	4.83	5.07	5.30	5.81	6.41
55	202.33	4.52	6.45	Student	-0.90	1.14	2.89	3.71	4.52	5.33	6.16	7.90	9.95
	201.55	4.80	1.87	School	3.23	3.82	4.33	4.57	4.80	5.04	5.28	5.79	6.38
60	203.81	4.19	6.45	Student	-1.23	0.81	2.56	3.38	4.19	5.00	5.82	7.57	9.62
	202.23	4.76	1.87	School	3.18	3.78	4.28	4.52	4.76	4.99	5.23	5.74	6.34
65	205.34	3.85	6.45	Student	-1.57	0.47	2.22	3.04	3.85	4.66	5.48	7.23	9.27
	202.93	4.71	1.87	School	3.13	3.73	4.24	4.48	4.71	4.95	5.19	5.69	6.29
70	206.95	3.49	6.45	Student	-1.93	0.11	1.86	2.68	3.49	4.30	5.12	6.87	8.92
	203.67	4.66	1.87	School	3.08	3.68	4.19	4.43	4.66	4.90	5.14	5.65	6.24
75	208.69	3.10	6.45	Student	-2.32	-0.28	1.47	2.29	3.10	3.91	4.74	6.48	8.53
	204.47	4.61	1.87	School	3.03	3.63	4.13	4.37	4.61	4.85	5.08	5.59	6.19
80	210.63	2.67	6.45	Student	-2.75	-0.71	1.04	1.86	2.67	3.48	4.30	6.05	8.09
	205.36	4.55	1.87	School	2.97	3.57	4.08	4.32	4.55	4.79	5.03	5.53	6.13
85	212.89	2.17	6.45	Student	-3.26	-1.21	0.53	1.36	2.17	2.98	3.80	5.55	7.59
	206.40	4.48	1.87	School	2.90	3.50	4.01	4.25	4.48	4.72	4.96	5.47	6.06
90	215.73	1.53	6.45	Student	-3.89	-1.85	-0.10	0.72	1.53	2.34	3.16	4.91	6.96
	207.71	4.40	1.87	School	2.82	3.41	3.92	4.16	4.40	4.63	4.87	5.38	5.97

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.15: General Science Grade 5 From Fall To N Fall Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	186.06	6.68	6.76	Student	0.99	3.13	4.96	5.83	6.68	7.52	8.39	10.22	12.36
	193.70	4.96	1.48	School	3.71	4.18	4.58	4.77	4.96	5.14	5.33	5.73	6.20
20	190.93	6.17	6.76	Student	0.49	2.63	4.46	5.32	6.17	7.02	7.88	9.71	11.86
	195.94	5.04	1.48	School	3.80	4.27	4.67	4.86	5.04	5.23	5.42	5.82	6.29
25	192.77	5.98	6.76	Student	0.29	2.44	4.27	5.13	5.98	6.83	7.69	9.52	11.67
	196.79	5.08	1.48	School	3.83	4.30	4.70	4.89	5.08	5.26	5.45	5.85	6.32
30	194.43	5.81	6.76	Student	0.12	2.27	4.10	4.96	5.81	6.66	7.52	9.35	11.49
	197.56	5.10	1.48	School	3.86	4.33	4.73	4.92	5.10	5.29	5.48	5.88	6.35
35	195.97	5.65	6.76	Student	-0.04	2.11	3.94	4.80	5.65	6.50	7.36	9.19	11.33
	198.27	5.13	1.48	School	3.89	4.36	4.76	4.95	5.13	5.32	5.51	5.91	6.37
40	197.43	5.50	6.76	Student	-0.19	1.95	3.79	4.65	5.50	6.35	7.21	9.04	11.18
	198.94	5.16	1.48	School	3.92	4.38	4.78	4.97	5.16	5.34	5.53	5.93	6.40
45	198.84	5.35	6.76	Student	-0.33	1.81	3.64	4.50	5.35	6.20	7.06	8.89	11.04
	199.59	5.18	1.48	School	3.94	4.41	4.81	5.00	5.18	5.37	5.56	5.96	6.43
48	199.68	5.26	6.76	Student	-0.42	1.72	3.55	4.42	5.26	6.11	6.98	8.81	10.95
	199.98	5.20	1.48	School	3.96	4.42	4.82	5.01	5.20	5.38	5.57	5.97	6.44
50	200.23	5.21	6.76	Student	-0.48	1.66	3.50	4.36	5.21	6.06	6.92	8.75	10.89
	200.23	5.21	1.48	School	3.96	4.43	4.83	5.02	5.21	5.39	5.58	5.98	6.45
52	200.79	5.15	6.76	Student	-0.54	1.61	3.44	4.30	5.15	6.00	6.86	8.69	10.84
	200.49	5.22	1.48	School	3.97	4.44	4.84	5.03	5.22	5.40	5.59	5.99	6.46
55	201.62	5.06	6.76	Student	-0.62	1.52	3.35	4.21	5.06	5.91	6.78	8.61	10.75
	200.87	5.23	1.48	School	3.99	4.46	4.86	5.05	5.23	5.42	5.61	6.01	6.47
60	203.03	4.92	6.76	Student	-0.77	1.37	3.21	4.07	4.92	5.77	6.63	8.46	10.60
	201.52	5.26	1.48	School	4.01	4.48	4.88	5.07	5.26	5.44	5.63	6.03	6.50
65	204.49	4.77	6.76	Student	-0.92	1.22	3.05	3.92	4.77	5.62	6.48	8.31	10.45
	202.20	5.28	1.48	School	4.04	4.51	4.91	5.10	5.28	5.47	5.66	6.06	6.53
70	206.03	4.61	6.76	Student	-1.08	1.06	2.90	3.76	4.61	5.46	6.32	8.15	10.29
	202.90	5.31	1.48	School	4.07	4.54	4.94	5.12	5.31	5.50	5.68	6.08	6.55
75	207.69	4.43	6.76	Student	-1.25	0.89	2.72	3.59	4.43	5.28	6.15	7.98	10.12
	203.67	5.34	1.48	School	4.10	4.57	4.97	5.15	5.34	5.52	5.71	6.11	6.58
80	209.54	4.24	6.76	Student	-1.44	0.70	2.53	3.39	4.24	5.09	5.96	7.79	9.93
	204.52	5.37	1.48	School	4.13	4.60	5.00	5.19	5.37	5.56	5.75	6.15	6.61
85	211.69	4.02	6.76	Student	-1.67	0.48	2.31	3.17	4.02	4.87	5.73	7.56	9.71
	205.51	5.41	1.48	School	4.17	4.64	5.04	5.22	5.41	5.60	5.78	6.18	6.65
90	214.40	3.74	6.76	Student	-1.95	0.20	2.03	2.89	3.74	4.59	5.45	7.28	9.43
	206.76	5.46	1.48	School	4.22	4.68	5.08	5.27	5.46	5.64	5.83	6.23	6.70

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.16: General Science Grade 5 From Fall To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		RIT	Mean SD		CGI	20	30	40	45	50	55	60	70	80
10	186.06	8.42	6.76	Student	2.73	4.88	6.71	7.57	8.42	9.27	10.13	11.96	14.11	
	193.70	5.64	1.87	School	4.07	4.66	5.17	5.41	5.64	5.88	6.12	6.62	7.22	
20	190.93	7.41	6.76	Student	1.73	3.87	5.70	6.57	7.41	8.26	9.13	10.96	13.10	
	195.94	5.59	1.87	School	4.02	4.61	5.12	5.36	5.59	5.83	6.06	6.57	7.16	
25	192.77	7.03	6.76	Student	1.35	3.49	5.32	6.18	7.03	7.88	8.74	10.58	12.72	
	196.79	5.57	1.87	School	4.00	4.59	5.10	5.34	5.57	5.81	6.04	6.55	7.14	
30	194.43	6.69	6.76	Student	1.00	3.15	4.98	5.84	6.69	7.54	8.40	10.23	12.38	
	197.56	5.55	1.87	School	3.98	4.57	5.08	5.32	5.55	5.79	6.03	6.53	7.13	
35	195.97	6.37	6.76	Student	0.69	2.83	4.66	5.52	6.37	7.22	8.08	9.91	12.06	
	198.27	5.54	1.87	School	3.96	4.56	5.06	5.30	5.54	5.77	6.01	6.52	7.11	
40	197.43	6.07	6.76	Student	0.38	2.53	4.36	5.22	6.07	6.92	7.78	9.61	11.76	
	198.94	5.52	1.87	School	3.95	4.54	5.05	5.29	5.52	5.76	5.99	6.50	7.10	
45	198.84	5.78	6.76	Student	0.09	2.24	4.07	4.93	5.78	6.63	7.49	9.32	11.46	
	199.59	5.51	1.87	School	3.93	4.53	5.03	5.27	5.51	5.74	5.98	6.49	7.08	
48	199.68	5.61	6.76	Student	-0.08	2.06	3.89	4.76	5.61	6.45	7.32	9.15	11.29	
	199.98	5.50	1.87	School	3.92	4.52	5.02	5.26	5.50	5.73	5.97	6.48	7.07	
50	200.23	5.49	6.76	Student	-0.19	1.95	3.78	4.64	5.49	6.34	7.20	9.03	11.18	
	200.23	5.49	1.87	School	3.92	4.51	5.02	5.26	5.49	5.73	5.96	6.47	7.07	
52	200.79	5.38	6.76	Student	-0.31	1.83	3.66	4.53	5.38	6.23	7.09	8.92	11.06	
	200.49	5.49	1.87	School	3.91	4.50	5.01	5.25	5.49	5.72	5.96	6.47	7.06	
55	201.62	5.20	6.76	Student	-0.48	1.66	3.49	4.35	5.20	6.05	6.92	8.75	10.89	
	200.87	5.48	1.87	School	3.90	4.50	5.00	5.24	5.48	5.71	5.95	6.46	7.05	
60	203.03	4.91	6.76	Student	-0.77	1.37	3.20	4.06	4.91	5.76	6.62	8.45	10.60	
	201.52	5.46	1.87	School	3.89	4.48	4.99	5.23	5.46	5.70	5.94	6.44	7.04	
65	204.49	4.61	6.76	Student	-1.08	1.07	2.90	3.76	4.61	5.46	6.32	8.15	10.30	
	202.20	5.45	1.87	School	3.87	4.46	4.97	5.21	5.45	5.68	5.92	6.43	7.02	
70	206.03	4.29	6.76	Student	-1.39	0.75	2.58	3.44	4.29	5.14	6.00	7.84	9.98	
	202.90	5.43	1.87	School	3.86	4.45	4.96	5.19	5.43	5.66	5.90	6.41	7.00	
75	207.69	3.95	6.76	Student	-1.74	0.41	2.24	3.10	3.95	4.80	5.66	7.49	9.64	
	203.67	5.41	1.87	School	3.84	4.43	4.94	5.18	5.41	5.65	5.89	6.39	6.99	
80	209.54	3.57	6.76	Student	-2.12	0.02	1.86	2.72	3.57	4.42	5.28	7.11	9.25	
	204.52	5.39	1.87	School	3.82	4.41	4.92	5.16	5.39	5.63	5.87	6.37	6.97	
85	211.69	3.12	6.76	Student	-2.56	-0.42	1.41	2.27	3.12	3.97	4.83	6.67	8.81	
	205.51	5.37	1.87	School	3.79	4.39	4.89	5.13	5.37	5.60	5.84	6.35	6.94	
90	214.40	2.56	6.76	Student	-3.12	-0.98	0.85	1.71	2.56	3.41	4.27	6.11	8.25	
	206.76	5.34	1.87	School	3.77	4.36	4.87	5.10	5.34	5.57	5.81	6.32	6.91	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.17: General Science Grade 5 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	186.06	5.81	5.63	Student	1.07	2.86	4.38	5.10	5.81	6.51	7.23	8.76	10.54	
	193.70	3.54	1.07	School	2.64	2.98	3.27	3.41	3.54	3.67	3.81	4.10	4.44	
20	190.93	5.00	5.63	Student	0.26	2.05	3.57	4.29	5.00	5.71	6.42	7.95	9.74	
	195.94	3.51	1.07	School	2.61	2.95	3.24	3.38	3.51	3.64	3.78	4.07	4.41	
25	192.77	4.69	5.63	Student	-0.05	1.74	3.27	3.98	4.69	5.40	6.12	7.64	9.43	
	196.79	3.50	1.07	School	2.60	2.94	3.23	3.36	3.50	3.63	3.77	4.06	4.40	
30	194.43	4.42	5.63	Student	-0.32	1.46	2.99	3.71	4.42	5.12	5.84	7.37	9.15	
	197.56	3.49	1.07	School	2.59	2.93	3.22	3.35	3.49	3.62	3.76	4.05	4.39	
35	195.97	4.16	5.63	Student	-0.58	1.21	2.73	3.45	4.16	4.87	5.59	7.11	8.90	
	198.27	3.48	1.07	School	2.58	2.92	3.21	3.34	3.48	3.61	3.75	4.04	4.38	
40	197.43	3.92	5.63	Student	-0.82	0.97	2.49	3.21	3.92	4.63	5.34	6.87	8.66	
	198.94	3.47	1.07	School	2.57	2.91	3.20	3.34	3.47	3.60	3.74	4.03	4.37	
45	198.84	3.68	5.63	Student	-1.05	0.73	2.26	2.98	3.68	4.39	5.11	6.64	8.42	
	199.59	3.46	1.07	School	2.56	2.90	3.19	3.33	3.46	3.60	3.73	4.02	4.36	
48	199.68	3.55	5.63	Student	-1.19	0.59	2.12	2.84	3.55	4.25	4.97	6.50	8.28	
	199.98	3.46	1.07	School	2.56	2.90	3.19	3.32	3.46	3.59	3.73	4.02	4.36	
50	200.23	3.45	5.63	Student	-1.28	0.50	2.03	2.75	3.45	4.16	4.88	6.40	8.19	
	200.23	3.45	1.07	School	2.55	2.89	3.18	3.32	3.45	3.59	3.72	4.01	4.35	
52	200.79	3.36	5.63	Student	-1.38	0.41	1.93	2.65	3.36	4.07	4.79	6.31	8.10	
	200.49	3.45	1.07	School	2.55	2.89	3.18	3.32	3.45	3.58	3.72	4.01	4.35	
55	201.62	3.22	5.63	Student	-1.51	0.27	1.80	2.51	3.22	3.93	4.65	6.17	7.96	
	200.87	3.44	1.07	School	2.54	2.88	3.17	3.31	3.44	3.58	3.72	4.01	4.34	
60	203.03	2.99	5.63	Student	-1.75	0.04	1.56	2.28	2.99	3.69	4.41	5.94	7.72	
	201.52	3.44	1.07	School	2.54	2.87	3.16	3.30	3.44	3.57	3.71	4.00	4.34	
65	204.49	2.75	5.63	Student	-1.99	-0.21	1.32	2.04	2.75	3.45	4.17	5.70	7.48	
	202.20	3.43	1.07	School	2.53	2.87	3.16	3.29	3.43	3.56	3.70	3.99	4.33	
70	206.03	2.49	5.63	Student	-2.25	-0.46	1.06	1.78	2.49	3.20	3.92	5.44	7.23	
	202.90	3.42	1.07	School	2.52	2.86	3.15	3.28	3.42	3.55	3.69	3.98	4.32	
75	207.69	2.21	5.63	Student	-2.52	-0.74	0.79	1.51	2.21	2.92	3.64	5.17	6.95	
	203.67	3.41	1.07	School	2.51	2.85	3.14	3.27	3.41	3.54	3.68	3.97	4.31	
80	209.54	1.91	5.63	Student	-2.83	-1.04	0.48	1.20	1.91	2.61	3.33	4.86	6.64	
	204.52	3.40	1.07	School	2.50	2.83	3.12	3.26	3.40	3.53	3.67	3.96	4.30	
85	211.69	1.55	5.63	Student	-3.19	-1.40	0.12	0.84	1.55	2.26	2.98	4.50	6.29	
	205.51	3.38	1.07	School	2.48	2.82	3.11	3.25	3.38	3.52	3.65	3.94	4.28	
90	214.40	1.10	5.63	Student	-3.64	-1.85	-0.33	0.39	1.10	1.81	2.53	4.05	5.84	
	206.76	3.37	1.07	School	2.47	2.81	3.10	3.23	3.37	3.50	3.64	3.93	4.27	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.18: General Science Grade 5 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	189.84	3.57	5.50	Student	-1.06	0.68	2.18	2.88	3.57	4.26	4.96	6.45	8.20	
	197.10	1.89	0.80	School	1.22	1.47	1.69	1.79	1.89	1.99	2.09	2.31	2.56	
20	194.59	3.04	5.50	Student	-1.59	0.16	1.65	2.35	3.04	3.73	4.44	5.93	7.67	
	199.36	1.94	0.80	School	1.27	1.52	1.74	1.84	1.94	2.04	2.14	2.36	2.61	
25	196.40	2.84	5.50	Student	-1.79	-0.04	1.45	2.15	2.84	3.54	4.24	5.73	7.47	
	200.22	1.96	0.80	School	1.29	1.54	1.76	1.86	1.96	2.06	2.16	2.38	2.63	
30	198.02	2.66	5.50	Student	-1.97	-0.22	1.27	1.97	2.66	3.36	4.06	5.55	7.29	
	200.99	1.98	0.80	School	1.31	1.56	1.78	1.88	1.98	2.08	2.18	2.39	2.65	
35	199.52	2.50	5.50	Student	-2.13	-0.39	1.10	1.81	2.50	3.19	3.89	5.38	7.13	
	201.70	1.99	0.80	School	1.32	1.58	1.79	1.89	1.99	2.09	2.19	2.41	2.66	
40	200.95	2.34	5.50	Student	-2.29	-0.54	0.95	1.65	2.34	3.03	3.73	5.23	6.97	
	202.38	2.01	0.80	School	1.34	1.59	1.81	1.91	2.01	2.11	2.21	2.43	2.68	
45	202.33	2.19	5.50	Student	-2.44	-0.70	0.79	1.50	2.19	2.88	3.58	5.07	6.82	
	203.04	2.02	0.80	School	1.35	1.61	1.82	1.92	2.02	2.12	2.23	2.44	2.69	
48	203.14	2.10	5.50	Student	-2.53	-0.79	0.70	1.41	2.10	2.79	3.49	4.98	6.73	
	203.43	2.03	0.80	School	1.36	1.61	1.83	1.93	2.03	2.13	2.23	2.45	2.70	
50	203.69	2.04	5.50	Student	-2.59	-0.85	0.64	1.35	2.04	2.73	3.43	4.92	6.67	
	203.69	2.04	0.80	School	1.37	1.62	1.84	1.94	2.04	2.14	2.24	2.46	2.71	
52	204.23	1.98	5.50	Student	-2.65	-0.91	0.58	1.29	1.98	2.67	3.37	4.86	6.61	
	203.94	2.04	0.80	School	1.37	1.63	1.84	1.94	2.04	2.14	2.25	2.46	2.71	
55	205.04	1.89	5.50	Student	-2.74	-1.00	0.49	1.20	1.89	2.58	3.28	4.77	6.52	
	204.33	2.05	0.80	School	1.38	1.64	1.85	1.95	2.05	2.15	2.25	2.47	2.72	
60	206.42	1.74	5.50	Student	-2.89	-1.15	0.34	1.04	1.74	2.43	3.13	4.62	6.37	
	204.99	2.07	0.80	School	1.40	1.65	1.87	1.97	2.07	2.17	2.27	2.49	2.74	
65	207.85	1.58	5.50	Student	-3.05	-1.31	0.18	0.89	1.58	2.27	2.97	4.46	6.21	
	205.67	2.08	0.80	School	1.41	1.67	1.88	1.98	2.08	2.18	2.28	2.50	2.75	
70	209.35	1.41	5.50	Student	-3.22	-1.47	0.02	0.72	1.41	2.10	2.81	4.30	6.04	
	206.38	2.10	0.80	School	1.43	1.68	1.90	2.00	2.10	2.20	2.30	2.52	2.77	
75	210.97	1.23	5.50	Student	-3.40	-1.65	-0.16	0.54	1.23	1.92	2.63	4.12	5.86	
	207.15	2.12	0.80	School	1.45	1.70	1.92	2.02	2.12	2.22	2.32	2.53	2.79	
80	212.78	1.03	5.50	Student	-3.60	-1.85	-0.36	0.34	1.03	1.72	2.43	3.92	5.66	
	208.01	2.14	0.80	School	1.47	1.72	1.93	2.04	2.14	2.24	2.34	2.55	2.81	
85	214.88	0.80	5.50	Student	-3.83	-2.08	-0.59	0.11	0.80	1.49	2.19	3.69	5.43	
	209.01	2.16	0.80	School	1.49	1.74	1.96	2.06	2.16	2.26	2.36	2.58	2.83	
90	217.53	0.51	5.50	Student	-4.12	-2.38	-0.89	-0.18	0.51	1.20	1.90	3.39	5.14	
	210.27	2.19	0.80	School	1.52	1.77	1.99	2.09	2.19	2.29	2.39	2.61	2.86	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.19: General Science Grade 6 From Last Winter To Winter Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	187.69	7.05	6.13	Student	1.90	3.84	5.50	6.28	7.05	7.82	8.60	10.26	12.21
	195.90	4.39	1.56	School	3.08	3.57	4.00	4.20	4.39	4.59	4.79	5.21	5.70
20	192.93	6.04	6.13	Student	0.88	2.83	4.49	5.27	6.04	6.81	7.59	9.25	11.19
	198.32	4.29	1.56	School	2.98	3.47	3.90	4.10	4.29	4.49	4.69	5.11	5.60
25	194.92	5.65	6.13	Student	0.50	2.44	4.10	4.88	5.65	6.42	7.20	8.87	10.81
	199.24	4.25	1.56	School	2.94	3.44	3.86	4.06	4.25	4.45	4.65	5.07	5.57
30	196.71	5.31	6.13	Student	0.15	2.10	3.76	4.54	5.31	6.08	6.86	8.52	10.46
	200.07	4.22	1.56	School	2.91	3.40	3.82	4.02	4.22	4.41	4.61	5.04	5.53
35	198.37	4.99	6.13	Student	-0.17	1.77	3.44	4.22	4.99	5.76	6.54	8.20	10.14
	200.84	4.19	1.56	School	2.87	3.37	3.79	3.99	4.19	4.38	4.58	5.01	5.50
40	199.94	4.68	6.13	Student	-0.47	1.47	3.13	3.91	4.68	5.45	6.23	7.90	9.84
	201.56	4.16	1.56	School	2.84	3.34	3.76	3.96	4.16	4.35	4.55	4.98	5.47
45	201.46	4.39	6.13	Student	-0.77	1.18	2.84	3.62	4.39	5.16	5.94	7.60	9.54
	202.27	4.13	1.56	School	2.82	3.31	3.73	3.93	4.13	4.32	4.52	4.95	5.44
48	202.36	4.22	6.13	Student	-0.94	1.00	2.66	3.45	4.22	4.98	5.77	7.43	9.37
	202.68	4.11	1.56	School	2.80	3.29	3.72	3.91	4.11	4.31	4.51	4.93	5.42
50	202.96	4.10	6.13	Student	-1.06	0.89	2.55	3.33	4.10	4.87	5.65	7.31	9.25
	202.96	4.10	1.56	School	2.79	3.28	3.70	3.90	4.10	4.30	4.49	4.92	5.41
52	203.56	3.98	6.13	Student	-1.17	0.77	2.43	3.21	3.98	4.75	5.54	7.20	9.14
	203.24	4.09	1.56	School	2.78	3.27	3.69	3.89	4.09	4.28	4.48	4.91	5.40
55	204.46	3.81	6.13	Student	-1.35	0.60	2.26	3.04	3.81	4.58	5.36	7.02	8.97
	203.65	4.07	1.56	School	2.76	3.25	3.68	3.88	4.07	4.27	4.47	4.89	5.38
60	205.98	3.52	6.13	Student	-1.64	0.30	1.96	2.75	3.52	4.29	5.07	6.73	8.67
	204.36	4.04	1.56	School	2.73	3.22	3.65	3.85	4.04	4.24	4.44	4.86	5.35
65	207.55	3.21	6.13	Student	-1.94	-0.00	1.66	2.44	3.21	3.98	4.76	6.42	8.37
	205.09	4.01	1.56	School	2.70	3.19	3.62	3.82	4.01	4.21	4.41	4.83	5.32
70	209.21	2.89	6.13	Student	-2.26	-0.32	1.34	2.12	2.89	3.66	4.44	6.10	8.05
	205.85	3.98	1.56	School	2.67	3.16	3.59	3.78	3.98	4.18	4.38	4.80	5.29
75	211.00	2.55	6.13	Student	-2.61	-0.67	0.99	1.78	2.55	3.32	4.10	5.76	7.70
	206.68	3.95	1.56	School	2.63	3.13	3.55	3.75	3.95	4.14	4.34	4.76	5.26
80	212.99	2.16	6.13	Student	-2.99	-1.05	0.61	1.39	2.16	2.93	3.71	5.37	7.32
	207.60	3.91	1.56	School	2.60	3.09	3.51	3.71	3.91	4.10	4.30	4.73	5.22
85	215.31	1.71	6.13	Student	-3.44	-1.50	0.16	0.94	1.71	2.48	3.26	4.92	6.87
	208.67	3.86	1.56	School	2.55	3.05	3.47	3.67	3.86	4.06	4.26	4.68	5.18
90	218.23	1.15	6.13	Student	-4.01	-2.06	-0.40	0.38	1.15	1.92	2.70	4.36	6.30
	210.03	3.81	1.56	School	2.50	2.99	3.41	3.61	3.81	4.00	4.20	4.63	5.12

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.20: General Science Grade 6 From Last Spring To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	188.87	7.28	6.51	Student	1.80	3.86	5.63	6.46	7.28	8.10	8.93	10.69	12.76
	197.57	4.18	1.79	School	2.67	3.24	3.72	3.95	4.18	4.40	4.63	5.11	5.68
20	194.38	6.06	6.51	Student	0.57	2.64	4.41	5.24	6.06	6.87	7.71	9.47	11.54
	200.09	4.02	1.79	School	2.51	3.08	3.57	3.80	4.02	4.24	4.47	4.96	5.53
25	196.48	5.59	6.51	Student	0.11	2.18	3.94	4.77	5.59	6.41	7.24	9.01	11.07
	201.05	3.96	1.79	School	2.45	3.02	3.51	3.74	3.96	4.19	4.41	4.90	5.47
30	198.36	5.18	6.51	Student	-0.31	1.76	3.53	4.36	5.18	5.99	6.83	8.59	10.66
	201.91	3.91	1.79	School	2.40	2.97	3.45	3.68	3.91	4.13	4.36	4.85	5.41
35	200.10	4.79	6.51	Student	-0.69	1.37	3.14	3.97	4.79	5.61	6.44	8.21	10.27
	202.71	3.86	1.79	School	2.35	2.92	3.40	3.63	3.86	4.08	4.31	4.80	5.36
40	201.75	4.42	6.51	Student	-1.06	1.01	2.77	3.61	4.42	5.24	6.07	7.84	9.91
	203.47	3.81	1.79	School	2.31	2.87	3.36	3.59	3.81	4.04	4.26	4.75	5.32
45	203.35	4.07	6.51	Student	-1.41	0.65	2.42	3.25	4.07	4.89	5.72	7.49	9.55
	204.20	3.77	1.79	School	2.26	2.83	3.31	3.54	3.77	3.99	4.22	4.70	5.27
48	204.30	3.86	6.51	Student	-1.62	0.44	2.21	3.04	3.86	4.68	5.51	7.28	9.34
	204.64	3.74	1.79	School	2.23	2.80	3.29	3.51	3.74	3.96	4.19	4.68	5.24
50	204.93	3.72	6.51	Student	-1.76	0.31	2.07	2.90	3.72	4.54	5.37	7.14	9.20
	204.93	3.72	1.79	School	2.22	2.78	3.27	3.50	3.72	3.95	4.17	4.66	5.23
52	205.56	3.58	6.51	Student	-1.90	0.17	1.93	2.76	3.58	4.40	5.23	7.00	9.06
	205.21	3.70	1.79	School	2.20	2.77	3.25	3.48	3.70	3.93	4.16	4.64	5.21
55	206.50	3.37	6.51	Student	-2.11	-0.04	1.72	2.55	3.37	4.19	5.02	6.79	8.85
	205.65	3.68	1.79	School	2.17	2.74	3.22	3.45	3.68	3.90	4.13	4.61	5.18
60	208.10	3.02	6.51	Student	-2.46	-0.40	1.37	2.20	3.02	3.84	4.67	6.43	8.50
	206.38	3.63	1.79	School	2.13	2.69	3.18	3.41	3.63	3.86	4.08	4.57	5.14
65	209.75	2.65	6.51	Student	-2.83	-0.76	1.00	1.83	2.65	3.47	4.30	6.07	8.13
	207.14	3.58	1.79	School	2.08	2.65	3.13	3.36	3.58	3.81	4.04	4.52	5.09
70	211.50	2.27	6.51	Student	-3.22	-1.15	0.62	1.45	2.27	3.08	3.92	5.68	7.75
	207.94	3.53	1.79	School	2.03	2.60	3.08	3.31	3.53	3.76	3.99	4.47	5.04
75	213.38	1.85	6.51	Student	-3.63	-1.57	0.20	1.03	1.85	2.67	3.50	5.27	7.33
	208.80	3.48	1.79	School	1.98	2.54	3.03	3.26	3.48	3.71	3.93	4.42	4.99
80	215.47	1.39	6.51	Student	-4.10	-2.03	-0.26	0.57	1.39	2.20	3.04	4.80	6.87
	209.76	3.42	1.79	School	1.92	2.48	2.97	3.20	3.42	3.65	3.88	4.36	4.93
85	217.91	0.85	6.51	Student	-4.64	-2.57	-0.80	0.03	0.85	1.66	2.50	4.26	6.33
	210.88	3.35	1.79	School	1.85	2.41	2.90	3.13	3.35	3.58	3.81	4.29	4.86
90	220.98	0.17	6.51	Student	-5.32	-3.25	-1.48	-0.65	0.17	0.98	1.82	3.58	5.65
	212.29	3.27	1.79	School	1.76	2.33	2.81	3.04	3.27	3.49	3.72	4.20	4.77

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.21: General Science Grade 6 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	189.52	6.18	6.98	Student	0.31	2.52	4.41	5.31	6.18	7.06	7.95	9.84	12.06	
	197.37	4.20	1.77	School	2.71	3.27	3.75	3.98	4.20	4.42	4.65	5.13	5.69	
20	194.59	5.58	6.98	Student	-0.30	1.92	3.81	4.70	5.58	6.46	7.35	9.24	11.45	
	199.75	4.28	1.77	School	2.78	3.35	3.83	4.05	4.28	4.50	4.72	5.21	5.77	
25	196.52	5.35	6.98	Student	-0.53	1.69	3.58	4.47	5.35	6.23	7.12	9.01	11.23	
	200.66	4.31	1.77	School	2.81	3.38	3.86	4.08	4.31	4.53	4.75	5.24	5.80	
30	198.26	5.14	6.98	Student	-0.73	1.48	3.38	4.27	5.14	6.02	6.91	8.81	11.02	
	201.47	4.33	1.77	School	2.84	3.40	3.88	4.11	4.33	4.55	4.78	5.26	5.82	
35	199.86	4.95	6.98	Student	-0.92	1.29	3.18	4.08	4.95	5.83	6.72	8.61	10.83	
	202.22	4.36	1.77	School	2.86	3.43	3.91	4.13	4.36	4.58	4.81	5.29	5.85	
40	201.38	4.77	6.98	Student	-1.10	1.11	3.00	3.90	4.77	5.65	6.54	8.43	10.65	
	202.94	4.38	1.77	School	2.89	3.45	3.93	4.16	4.38	4.60	4.83	5.31	5.87	
45	202.86	4.60	6.98	Student	-1.28	0.94	2.83	3.72	4.60	5.47	6.37	8.26	10.47	
	203.63	4.40	1.77	School	2.91	3.47	3.95	4.18	4.40	4.63	4.85	5.33	5.89	
48	203.73	4.49	6.98	Student	-1.38	0.83	2.73	3.62	4.49	5.37	6.26	8.15	10.37	
	204.04	4.42	1.77	School	2.92	3.49	3.97	4.19	4.42	4.64	4.87	5.35	5.91	
50	204.31	4.43	6.98	Student	-1.45	0.76	2.66	3.55	4.43	5.30	6.19	8.09	10.30	
	204.31	4.43	1.77	School	2.93	3.50	3.98	4.20	4.43	4.65	4.87	5.35	5.92	
52	204.89	4.36	6.98	Student	-1.52	0.70	2.59	3.48	4.36	5.23	6.13	8.02	10.23	
	204.58	4.43	1.77	School	2.94	3.50	3.98	4.21	4.43	4.66	4.88	5.36	5.93	
55	205.76	4.25	6.98	Student	-1.62	0.59	2.48	3.38	4.25	5.13	6.02	7.91	10.13	
	204.99	4.45	1.77	School	2.96	3.52	4.00	4.22	4.45	4.67	4.90	5.38	5.94	
60	207.23	4.08	6.98	Student	-1.80	0.42	2.31	3.20	4.08	4.96	5.85	7.74	9.95	
	205.68	4.47	1.77	School	2.98	3.54	4.02	4.25	4.47	4.69	4.92	5.40	5.96	
65	208.76	3.90	6.98	Student	-1.98	0.24	2.13	3.02	3.90	4.77	5.67	7.56	9.77	
	206.40	4.49	1.77	School	3.00	3.56	4.04	4.27	4.49	4.72	4.94	5.42	5.99	
70	210.36	3.71	6.98	Student	-2.17	0.05	1.94	2.83	3.71	4.58	5.47	7.37	9.58	
	207.15	4.52	1.77	School	3.03	3.59	4.07	4.30	4.52	4.74	4.97	5.45	6.01	
75	212.09	3.50	6.98	Student	-2.37	-0.16	1.73	2.62	3.50	4.38	5.27	7.16	9.38	
	207.96	4.54	1.77	School	3.05	3.62	4.10	4.32	4.54	4.77	4.99	5.47	6.04	
80	214.02	3.27	6.98	Student	-2.60	-0.39	1.50	2.39	3.27	4.15	5.04	6.93	9.15	
	208.87	4.57	1.77	School	3.08	3.64	4.13	4.35	4.57	4.80	5.02	5.50	6.07	
85	216.27	3.00	6.98	Student	-2.87	-0.66	1.24	2.13	3.00	3.88	4.77	6.66	8.88	
	209.92	4.61	1.77	School	3.12	3.68	4.16	4.39	4.61	4.83	5.06	5.54	6.10	
90	219.10	2.67	6.98	Student	-3.21	-0.99	0.90	1.79	2.67	3.55	4.44	6.33	8.54	
	211.25	4.65	1.77	School	3.16	3.72	4.20	4.43	4.65	4.88	5.10	5.58	6.14	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.22: General Science Grade 6 From Fall To Spring Conditional Growth Percentile

Start Status	Growth			Conditional Growth									
				CGP	20	30	40	45	50	55	60	70	80
%ile	RIT	Mean	SD	CGI	-0.84	-0.52	-0.25	-0.13	0.00	0.13	0.25	0.52	0.84
10	189.52	6.92	6.84	Student	1.16	3.33	5.19	6.06	6.92	7.78	8.66	10.51	12.68
	197.37	4.29	1.58	School	2.96	3.46	3.89	4.09	4.29	4.49	4.69	5.12	5.62
20	194.59	6.04	6.84	Student	0.28	2.45	4.30	5.18	6.04	6.90	7.77	9.63	11.80
	199.75	4.31	1.58	School	2.97	3.48	3.91	4.11	4.31	4.51	4.71	5.14	5.64
25	196.52	5.70	6.84	Student	-0.06	2.11	3.97	4.84	5.70	6.56	7.43	9.29	11.46
	200.66	4.31	1.58	School	2.98	3.48	3.91	4.11	4.31	4.51	4.71	5.14	5.65
30	198.26	5.40	6.84	Student	-0.36	1.81	3.66	4.54	5.40	6.26	7.13	8.99	11.16
	201.47	4.32	1.58	School	2.99	3.49	3.92	4.12	4.32	4.52	4.72	5.15	5.65
35	199.86	5.12	6.84	Student	-0.64	1.53	3.38	4.26	5.12	5.98	6.85	8.71	10.88
	202.22	4.32	1.58	School	2.99	3.49	3.92	4.13	4.32	4.52	4.73	5.15	5.66
40	201.38	4.85	6.84	Student	-0.91	1.26	3.12	3.99	4.85	5.71	6.58	8.44	10.61
	202.94	4.33	1.58	School	3.00	3.50	3.93	4.13	4.33	4.53	4.73	5.16	5.66
45	202.86	4.59	6.84	Student	-1.17	1.00	2.86	3.73	4.59	5.45	6.33	8.18	10.35
	203.63	4.33	1.58	School	3.00	3.50	3.93	4.14	4.33	4.53	4.74	5.16	5.67
48	203.73	4.44	6.84	Student	-1.32	0.85	2.71	3.58	4.44	5.30	6.17	8.03	10.20
	204.04	4.34	1.58	School	3.00	3.51	3.94	4.14	4.34	4.54	4.74	5.17	5.67
50	204.31	4.34	6.84	Student	-1.42	0.75	2.60	3.48	4.34	5.20	6.07	7.93	10.10
	204.31	4.34	1.58	School	3.01	3.51	3.94	4.14	4.34	4.54	4.74	5.17	5.67
52	204.89	4.24	6.84	Student	-1.52	0.65	2.50	3.38	4.24	5.10	5.97	7.83	10.00
	204.58	4.34	1.58	School	3.01	3.51	3.94	4.14	4.34	4.54	4.74	5.17	5.67
55	205.76	4.09	6.84	Student	-1.68	0.50	2.35	3.23	4.09	4.95	5.82	7.67	9.85
	204.99	4.34	1.58	School	3.01	3.51	3.94	4.14	4.34	4.54	4.74	5.17	5.68
60	207.23	3.83	6.84	Student	-1.93	0.24	2.09	2.97	3.83	4.69	5.56	7.42	9.59
	205.68	4.35	1.58	School	3.02	3.52	3.95	4.15	4.35	4.55	4.75	5.18	5.68
65	208.76	3.56	6.84	Student	-2.20	-0.03	1.83	2.70	3.56	4.42	5.30	7.15	9.32
	206.40	4.35	1.58	School	3.02	3.52	3.95	4.15	4.35	4.55	4.75	5.18	5.69
70	210.36	3.28	6.84	Student	-2.48	-0.31	1.55	2.42	3.28	4.14	5.02	6.87	9.04
	207.15	4.36	1.58	School	3.03	3.53	3.96	4.16	4.36	4.56	4.76	5.19	5.69
75	212.09	2.98	6.84	Student	-2.78	-0.61	1.24	2.12	2.98	3.84	4.71	6.57	8.74
	207.96	4.36	1.58	School	3.03	3.53	3.96	4.17	4.36	4.56	4.77	5.20	5.70
80	214.02	2.64	6.84	Student	-3.12	-0.95	0.91	1.78	2.64	3.50	4.38	6.23	8.40
	208.87	4.37	1.58	School	3.04	3.54	3.97	4.17	4.37	4.57	4.77	5.20	5.70
85	216.27	2.25	6.84	Student	-3.51	-1.34	0.51	1.39	2.25	3.11	3.98	5.84	8.01
	209.92	4.38	1.58	School	3.05	3.55	3.98	4.18	4.38	4.58	4.78	5.21	5.71
90	219.10	1.75	6.84	Student	-4.01	-1.84	0.02	0.89	1.75	2.61	3.49	5.34	7.51
	211.25	4.39	1.58	School	3.06	3.56	3.99	4.19	4.39	4.59	4.79	5.22	5.72

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.23: General Science Grade 6 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			Conditional Growth									
	RIT	Mean	SD	CGP CGI	20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	189.52	4.88	5.68	Student	0.10	1.90	3.44	4.17	4.88	5.59	6.32	7.86	9.66
	197.37	2.72	0.91	School	1.96	2.25	2.49	2.61	2.72	2.84	2.95	3.20	3.49
20	194.59	4.15	5.68	Student	-0.63	1.17	2.71	3.44	4.15	4.86	5.59	7.13	8.93
	199.75	2.73	0.91	School	1.97	2.26	2.50	2.62	2.73	2.85	2.96	3.21	3.50
25	196.52	3.87	5.68	Student	-0.91	0.89	2.43	3.16	3.87	4.59	5.31	6.85	8.66
	200.66	2.74	0.91	School	1.97	2.26	2.51	2.62	2.74	2.85	2.97	3.21	3.50
30	198.26	3.62	5.68	Student	-1.16	0.64	2.18	2.91	3.62	4.34	5.06	6.60	8.41
	201.47	2.74	0.91	School	1.98	2.27	2.51	2.63	2.74	2.85	2.97	3.21	3.50
35	199.86	3.39	5.68	Student	-1.39	0.41	1.95	2.68	3.39	4.11	4.83	6.37	8.18
	202.22	2.74	0.91	School	1.98	2.27	2.51	2.63	2.74	2.86	2.97	3.22	3.51
40	201.38	3.17	5.68	Student	-1.61	0.19	1.73	2.46	3.17	3.89	4.61	6.15	7.96
	202.94	2.75	0.91	School	1.98	2.27	2.52	2.63	2.75	2.86	2.98	3.22	3.51
45	202.86	2.96	5.68	Student	-1.82	-0.02	1.52	2.25	2.96	3.67	4.40	5.94	7.74
	203.63	2.75	0.91	School	1.99	2.27	2.52	2.63	2.75	2.86	2.98	3.22	3.51
48	203.73	2.83	5.68	Student	-1.95	-0.15	1.39	2.12	2.83	3.55	4.27	5.82	7.62
	204.04	2.75	0.91	School	1.99	2.28	2.52	2.64	2.75	2.86	2.98	3.23	3.51
50	204.31	2.75	5.68	Student	-2.03	-0.23	1.31	2.04	2.75	3.47	4.19	5.73	7.54
	204.31	2.75	0.91	School	1.99	2.28	2.52	2.64	2.75	2.87	2.98	3.23	3.51
52	204.89	2.67	5.68	Student	-2.12	-0.31	1.23	1.95	2.67	3.38	4.11	5.65	7.45
	204.58	2.75	0.91	School	1.99	2.28	2.52	2.64	2.75	2.87	2.98	3.23	3.51
55	205.76	2.54	5.68	Student	-2.24	-0.44	1.10	1.83	2.54	3.26	3.98	5.52	7.33
	204.99	2.75	0.91	School	1.99	2.28	2.52	2.64	2.75	2.87	2.98	3.23	3.52
60	207.23	2.33	5.68	Student	-2.45	-0.65	0.89	1.62	2.33	3.04	3.77	5.31	7.11
	205.68	2.76	0.91	School	1.99	2.28	2.53	2.64	2.76	2.87	2.99	3.23	3.52
65	208.76	2.11	5.68	Student	-2.67	-0.87	0.67	1.40	2.11	2.83	3.55	5.09	6.90
	206.40	2.76	0.91	School	2.00	2.28	2.53	2.65	2.76	2.87	2.99	3.23	3.52
70	210.36	1.88	5.68	Student	-2.90	-1.10	0.44	1.17	1.88	2.59	3.32	4.86	6.66
	207.15	2.76	0.91	School	2.00	2.29	2.53	2.65	2.76	2.88	2.99	3.24	3.53
75	212.09	1.63	5.68	Student	-3.15	-1.35	0.19	0.92	1.63	2.35	3.07	4.61	6.42
	207.96	2.77	0.91	School	2.00	2.29	2.54	2.65	2.77	2.88	3.00	3.24	3.53
80	214.02	1.35	5.68	Student	-3.43	-1.63	-0.09	0.64	1.35	2.07	2.79	4.33	6.14
	208.87	2.77	0.91	School	2.01	2.29	2.54	2.66	2.77	2.88	3.00	3.24	3.53
85	216.27	1.03	5.68	Student	-3.75	-1.95	-0.41	0.32	1.03	1.74	2.47	4.01	5.81
	209.92	2.77	0.91	School	2.01	2.30	2.54	2.66	2.77	2.89	3.00	3.25	3.54
90	219.10	0.62	5.68	Student	-4.16	-2.36	-0.82	-0.09	0.62	1.34	2.06	3.60	5.41
	211.25	2.78	0.91	School	2.02	2.30	2.55	2.67	2.78	2.89	3.01	3.25	3.54

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.24: General Science Grade 6 From Winter To Spring Conditional Growth Percentile

Start %ile	Status		Growth		CGP CGI	Conditional Growth									
	RIT	Mean	SD	CGP		20	30	40	45	50	55	60	70	80	
10	192.45	2.94	5.53	Student	-1.71	0.04	1.54	2.25	2.94	3.64	4.34	5.84	7.60		
	200.00	1.42	0.67	School	0.86	1.07	1.25	1.34	1.42	1.51	1.59	1.77	1.99		
20	197.47	2.48	5.53	Student	-2.18	-0.42	1.07	1.78	2.48	3.17	3.88	5.38	7.13		
	202.42	1.48	0.67	School	0.92	1.13	1.31	1.40	1.48	1.56	1.65	1.83	2.04		
25	199.37	2.30	5.53	Student	-2.36	-0.60	0.90	1.60	2.30	2.99	3.70	5.20	6.95		
	203.34	1.50	0.67	School	0.94	1.15	1.33	1.42	1.50	1.59	1.67	1.85	2.06		
30	201.08	2.14	5.53	Student	-2.51	-0.76	0.74	1.45	2.14	2.84	3.54	5.04	6.80		
	204.17	1.52	0.67	School	0.96	1.17	1.35	1.44	1.52	1.60	1.69	1.87	2.08		
35	202.67	1.99	5.53	Student	-2.66	-0.91	0.59	1.30	1.99	2.69	3.40	4.89	6.65		
	204.94	1.54	0.67	School	0.98	1.19	1.37	1.45	1.54	1.62	1.71	1.89	2.10		
40	204.17	1.85	5.53	Student	-2.80	-1.05	0.45	1.16	1.85	2.55	3.26	4.76	6.51		
	205.66	1.56	0.67	School	0.99	1.20	1.39	1.47	1.56	1.64	1.72	1.91	2.12		
45	205.63	1.72	5.53	Student	-2.93	-1.18	0.32	1.03	1.72	2.42	3.12	4.62	6.38		
	206.37	1.57	0.67	School	1.01	1.22	1.40	1.49	1.57	1.66	1.74	1.92	2.13		
48	206.49	1.64	5.53	Student	-3.01	-1.26	0.24	0.95	1.64	2.34	3.04	4.54	6.30		
	206.78	1.58	0.67	School	1.02	1.23	1.41	1.50	1.58	1.67	1.75	1.93	2.14		
50	207.06	1.59	5.53	Student	-3.07	-1.31	0.19	0.89	1.59	2.28	2.99	4.49	6.24		
	207.06	1.59	0.67	School	1.03	1.24	1.42	1.50	1.59	1.67	1.76	1.94	2.15		
52	207.63	1.53	5.53	Student	-3.12	-1.37	0.13	0.84	1.53	2.23	2.94	4.43	6.19		
	207.34	1.59	0.67	School	1.03	1.24	1.42	1.51	1.59	1.68	1.76	1.94	2.16		
55	208.49	1.45	5.53	Student	-3.20	-1.45	0.05	0.76	1.45	2.15	2.86	4.36	6.11		
	207.75	1.60	0.67	School	1.04	1.25	1.43	1.52	1.60	1.69	1.77	1.95	2.17		
60	209.95	1.32	5.53	Student	-3.34	-1.58	-0.08	0.62	1.32	2.01	2.72	4.22	5.97		
	208.46	1.62	0.67	School	1.06	1.27	1.45	1.54	1.62	1.70	1.79	1.97	2.18		
65	211.45	1.18	5.53	Student	-3.47	-1.72	-0.22	0.49	1.18	1.88	2.58	4.08	5.84		
	209.18	1.64	0.67	School	1.07	1.29	1.47	1.55	1.64	1.72	1.81	1.99	2.20		
70	213.04	1.03	5.53	Student	-3.62	-1.87	-0.37	0.34	1.03	1.73	2.43	3.93	5.69		
	209.95	1.65	0.67	School	1.09	1.30	1.48	1.57	1.65	1.74	1.82	2.00	2.22		
75	214.75	0.88	5.53	Student	-3.78	-2.03	-0.53	0.18	0.88	1.57	2.28	3.78	5.53		
	210.78	1.67	0.67	School	1.11	1.32	1.50	1.59	1.67	1.76	1.84	2.02	2.24		
80	216.65	0.70	5.53	Student	-3.96	-2.20	-0.70	0.00	0.70	1.39	2.10	3.60	5.35		
	211.70	1.69	0.67	School	1.13	1.34	1.53	1.61	1.69	1.78	1.86	2.05	2.26		
85	218.88	0.49	5.53	Student	-4.16	-2.41	-0.91	-0.20	0.49	1.19	1.89	3.39	5.15		
	212.77	1.72	0.67	School	1.16	1.37	1.55	1.64	1.72	1.80	1.89	2.07	2.28		
90	221.67	0.23	5.53	Student	-4.42	-2.67	-1.17	-0.46	0.23	0.93	1.64	3.13	4.89		
	214.12	1.75	0.67	School	1.19	1.40	1.58	1.67	1.75	1.83	1.92	2.10	2.31		

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.25: General Science Grade 7 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	190.57	5.76	5.97	Student	0.74	2.63	4.25	5.01	5.76	6.51	7.27	8.89	10.78	
	199.12	3.62	1.38	School	2.46	2.90	3.27	3.45	3.62	3.80	3.97	4.34	4.78	
20	195.88	4.96	5.97	Student	-0.07	1.83	3.44	4.21	4.96	5.71	6.47	8.09	9.98	
	201.50	3.55	1.38	School	2.39	2.83	3.20	3.38	3.55	3.73	3.90	4.27	4.71	
25	197.90	4.65	5.97	Student	-0.37	1.52	3.14	3.90	4.65	5.40	6.16	7.78	9.67	
	202.40	3.53	1.38	School	2.37	2.80	3.18	3.35	3.53	3.70	3.87	4.25	4.68	
30	199.72	4.38	5.97	Student	-0.65	1.25	2.87	3.63	4.38	5.13	5.89	7.51	9.40	
	203.21	3.50	1.38	School	2.34	2.78	3.15	3.33	3.50	3.68	3.85	4.22	4.66	
35	201.40	4.12	5.97	Student	-0.90	0.99	2.61	3.37	4.12	4.87	5.64	7.25	9.15	
	203.97	3.48	1.38	School	2.32	2.76	3.13	3.31	3.48	3.65	3.83	4.20	4.64	
40	202.99	3.88	5.97	Student	-1.14	0.75	2.37	3.13	3.88	4.63	5.39	7.01	8.91	
	204.68	3.46	1.38	School	2.30	2.74	3.11	3.29	3.46	3.63	3.81	4.18	4.62	
45	204.53	3.65	5.97	Student	-1.37	0.52	2.14	2.90	3.65	4.40	5.16	6.78	8.67	
	205.37	3.44	1.38	School	2.28	2.72	3.09	3.27	3.44	3.61	3.79	4.16	4.60	
48	205.45	3.51	5.97	Student	-1.51	0.38	2.00	2.76	3.51	4.26	5.02	6.64	8.53	
	205.78	3.43	1.38	School	2.27	2.71	3.08	3.25	3.43	3.60	3.78	4.15	4.58	
50	206.05	3.42	5.97	Student	-1.60	0.29	1.91	2.67	3.42	4.17	4.93	6.55	8.44	
	206.05	3.42	1.38	School	2.26	2.70	3.07	3.25	3.42	3.59	3.77	4.14	4.58	
52	206.66	3.33	5.97	Student	-1.70	0.20	1.82	2.58	3.33	4.08	4.84	6.46	8.35	
	206.32	3.41	1.38	School	2.25	2.69	3.06	3.24	3.41	3.58	3.76	4.13	4.57	
55	207.57	3.19	5.97	Student	-1.83	0.06	1.68	2.44	3.19	3.94	4.70	6.32	8.21	
	206.73	3.40	1.38	School	2.24	2.68	3.05	3.23	3.40	3.57	3.75	4.12	4.56	
60	209.11	2.96	5.97	Student	-2.07	-0.17	1.44	2.21	2.96	3.71	4.47	6.09	7.98	
	207.42	3.38	1.38	School	2.22	2.66	3.03	3.21	3.38	3.55	3.73	4.10	4.54	
65	210.71	2.71	5.97	Student	-2.31	-0.42	1.20	1.96	2.71	3.46	4.23	5.84	7.74	
	208.14	3.36	1.38	School	2.20	2.64	3.01	3.18	3.36	3.53	3.71	4.08	4.52	
70	212.39	2.46	5.97	Student	-2.56	-0.67	0.95	1.71	2.46	3.21	3.97	5.59	7.48	
	208.89	3.34	1.38	School	2.18	2.61	2.99	3.16	3.34	3.51	3.68	4.06	4.49	
75	214.20	2.19	5.97	Student	-2.84	-0.94	0.67	1.44	2.19	2.94	3.70	5.32	7.21	
	209.70	3.31	1.38	School	2.15	2.59	2.96	3.14	3.31	3.48	3.66	4.03	4.47	
80	216.22	1.88	5.97	Student	-3.14	-1.25	0.37	1.13	1.88	2.63	3.39	5.01	6.90	
	210.61	3.28	1.38	School	2.13	2.56	2.94	3.11	3.28	3.46	3.63	4.01	4.44	
85	218.58	1.52	5.97	Student	-3.50	-1.61	0.01	0.77	1.52	2.27	3.04	4.65	6.55	
	211.66	3.25	1.38	School	2.10	2.53	2.91	3.08	3.25	3.43	3.60	3.98	4.41	
90	221.54	1.08	5.97	Student	-3.95	-2.05	-0.44	0.33	1.08	1.83	2.59	4.21	6.10	
	212.99	3.21	1.38	School	2.06	2.49	2.87	3.04	3.21	3.39	3.56	3.94	4.37	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.26: General Science Grade 7 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	191.44	6.09	6.44	Student	0.67	2.72	4.46	5.28	6.09	6.90	7.72	9.47	11.51
	200.57	3.44	1.66	School	2.04	2.56	3.01	3.23	3.44	3.64	3.86	4.31	4.83
20	197.01	5.10	6.44	Student	-0.32	1.72	3.47	4.29	5.10	5.91	6.73	8.48	10.52
	203.01	3.35	1.66	School	1.96	2.48	2.93	3.14	3.35	3.56	3.77	4.22	4.75
25	199.12	4.72	6.44	Student	-0.70	1.34	3.09	3.91	4.72	5.53	6.35	8.10	10.14
	203.93	3.32	1.66	School	1.93	2.45	2.90	3.11	3.32	3.53	3.74	4.19	4.72
30	201.02	4.38	6.44	Student	-1.04	1.00	2.75	3.57	4.38	5.19	6.01	7.76	9.80
	204.76	3.29	1.66	School	1.90	2.42	2.87	3.09	3.29	3.50	3.71	4.16	4.69
35	202.78	4.07	6.44	Student	-1.35	0.69	2.44	3.26	4.07	4.88	5.70	7.44	9.49
	205.53	3.27	1.66	School	1.87	2.40	2.85	3.06	3.27	3.48	3.69	4.14	4.66
40	204.45	3.77	6.44	Student	-1.65	0.39	2.14	2.96	3.77	4.58	5.40	7.15	9.19
	206.26	3.24	1.66	School	1.85	2.37	2.82	3.04	3.24	3.45	3.66	4.11	4.64
45	206.07	3.48	6.44	Student	-1.94	0.10	1.85	2.67	3.48	4.29	5.11	6.86	8.90
	206.97	3.22	1.66	School	1.82	2.35	2.80	3.01	3.22	3.43	3.64	4.09	4.62
48	207.03	3.31	6.44	Student	-2.11	-0.07	1.68	2.50	3.31	4.12	4.94	6.69	8.73
	207.38	3.21	1.66	School	1.81	2.34	2.79	3.00	3.21	3.41	3.63	4.08	4.60
50	207.66	3.20	6.44	Student	-2.22	-0.18	1.57	2.39	3.20	4.01	4.83	6.57	8.62
	207.66	3.20	1.66	School	1.80	2.33	2.78	2.99	3.20	3.41	3.62	4.07	4.59
52	208.30	3.08	6.44	Student	-2.34	-0.29	1.45	2.27	3.08	3.89	4.72	6.46	8.50
	207.94	3.19	1.66	School	1.79	2.32	2.77	2.98	3.19	3.40	3.61	4.06	4.58
55	209.25	2.91	6.44	Student	-2.51	-0.46	1.28	2.10	2.91	3.72	4.54	6.29	8.33
	208.36	3.17	1.66	School	1.78	2.30	2.75	2.97	3.17	3.38	3.59	4.04	4.57
60	210.87	2.62	6.44	Student	-2.79	-0.75	0.99	1.82	2.62	3.43	4.26	6.00	8.04
	209.06	3.15	1.66	School	1.75	2.28	2.73	2.94	3.15	3.36	3.57	4.02	4.55
65	212.54	2.33	6.44	Student	-3.09	-1.05	0.70	1.52	2.33	3.14	3.96	5.70	7.75
	209.79	3.13	1.66	School	1.73	2.26	2.70	2.92	3.13	3.33	3.55	4.00	4.52
70	214.30	2.01	6.44	Student	-3.41	-1.36	0.38	1.20	2.01	2.82	3.64	5.39	7.43
	210.56	3.10	1.66	School	1.70	2.23	2.68	2.89	3.10	3.31	3.52	3.97	4.50
75	216.20	1.67	6.44	Student	-3.75	-1.70	0.04	0.86	1.67	2.48	3.30	5.05	7.09
	211.39	3.07	1.66	School	1.68	2.20	2.65	2.86	3.07	3.28	3.49	3.94	4.47
80	218.32	1.30	6.44	Student	-4.12	-2.08	-0.34	0.49	1.30	2.10	2.93	4.67	6.72
	212.32	3.04	1.66	School	1.64	2.17	2.62	2.83	3.04	3.25	3.46	3.91	4.44
85	220.78	0.86	6.44	Student	-4.56	-2.52	-0.78	0.05	0.86	1.66	2.49	4.23	6.27
	213.39	3.00	1.66	School	1.61	2.13	2.58	2.80	3.00	3.21	3.42	3.87	4.40
90	223.88	0.30	6.44	Student	-5.12	-3.08	-1.33	-0.51	0.30	1.11	1.93	3.68	5.72
	214.75	2.96	1.66	School	1.56	2.09	2.54	2.75	2.96	3.17	3.38	3.83	4.36

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.27: General Science Grade 7 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	191.90	5.88	6.62	Student	0.31	2.41	4.21	5.05	5.88	6.72	7.56	9.36	11.46	
	200.39	4.38	1.48	School	3.13	3.60	4.01	4.20	4.38	4.57	4.76	5.16	5.63	
20	197.14	5.37	6.62	Student	-0.20	1.90	3.69	4.54	5.37	6.20	7.05	8.84	10.94	
	202.72	4.38	1.48	School	3.13	3.60	4.01	4.20	4.38	4.57	4.76	5.16	5.63	
25	199.14	5.17	6.62	Student	-0.40	1.70	3.49	4.34	5.17	6.00	6.85	8.64	10.74	
	203.61	4.38	1.48	School	3.13	3.60	4.01	4.20	4.38	4.57	4.76	5.16	5.63	
30	200.93	5.00	6.62	Student	-0.58	1.52	3.32	4.16	5.00	5.83	6.67	8.47	10.57	
	204.40	4.38	1.48	School	3.13	3.60	4.01	4.20	4.38	4.57	4.76	5.16	5.63	
35	202.59	4.83	6.62	Student	-0.74	1.36	3.16	4.00	4.83	5.66	6.51	8.30	10.41	
	205.14	4.38	1.48	School	3.13	3.60	4.01	4.19	4.38	4.57	4.76	5.16	5.63	
40	204.16	4.68	6.62	Student	-0.89	1.21	3.00	3.85	4.68	5.51	6.36	8.15	10.25	
	205.84	4.38	1.48	School	3.13	3.60	4.01	4.19	4.38	4.57	4.76	5.16	5.63	
45	205.68	4.53	6.62	Student	-1.04	1.06	2.85	3.70	4.53	5.36	6.21	8.00	10.10	
	206.51	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.76	5.16	5.63	
48	206.58	4.44	6.62	Student	-1.13	0.97	2.76	3.61	4.44	5.27	6.12	7.91	10.01	
	206.91	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.76	5.16	5.63	
50	207.18	4.38	6.62	Student	-1.19	0.91	2.70	3.55	4.38	5.21	6.06	7.85	9.95	
	207.18	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.76	5.16	5.63	
52	207.78	4.32	6.62	Student	-1.25	0.85	2.64	3.49	4.32	5.15	6.00	7.79	9.89	
	207.45	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.76	5.16	5.63	
55	208.68	4.23	6.62	Student	-1.34	0.76	2.56	3.40	4.23	5.07	5.91	7.71	9.81	
	207.85	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.76	5.16	5.63	
60	210.20	4.08	6.62	Student	-1.49	0.61	2.41	3.25	4.08	4.92	5.76	7.56	9.66	
	208.52	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.76	5.16	5.63	
65	211.78	3.93	6.62	Student	-1.64	0.46	2.25	3.10	3.93	4.76	5.61	7.40	9.50	
	209.22	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.76	5.16	5.63	
70	213.43	3.77	6.62	Student	-1.81	0.29	2.09	2.93	3.77	4.60	5.44	7.24	9.34	
	209.96	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.76	5.16	5.63	
75	215.22	3.59	6.62	Student	-1.98	0.12	1.91	2.76	3.59	4.42	5.27	7.06	9.16	
	210.76	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.76	5.16	5.63	
80	217.22	3.39	6.62	Student	-2.18	-0.08	1.72	2.56	3.39	4.22	5.07	6.86	8.96	
	211.64	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.75	5.16	5.63	
85	219.54	3.16	6.62	Student	-2.41	-0.31	1.49	2.33	3.16	4.00	4.84	6.64	8.74	
	212.67	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.57	4.75	5.16	5.63	
90	222.46	2.88	6.62	Student	-2.70	-0.60	1.20	2.04	2.88	3.71	4.55	6.35	8.45	
	213.97	4.38	1.48	School	3.13	3.60	4.00	4.19	4.38	4.56	4.75	5.16	5.63	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.28: General Science Grade 7 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	191.90	5.99	6.87	Student	0.21	2.39	4.25	5.12	5.99	6.85	7.73	9.59	11.77	
	200.39	3.52	1.38	School	2.36	2.80	3.17	3.35	3.52	3.69	3.87	4.24	4.68	
20	197.14	5.19	6.87	Student	-0.59	1.59	3.45	4.33	5.19	6.06	6.93	8.80	10.97	
	202.72	3.57	1.38	School	2.41	2.85	3.22	3.40	3.57	3.75	3.92	4.30	4.74	
25	199.14	4.89	6.87	Student	-0.89	1.29	3.15	4.03	4.89	5.76	6.63	8.49	10.67	
	203.61	3.59	1.38	School	2.43	2.87	3.24	3.42	3.59	3.77	3.94	4.32	4.76	
30	200.93	4.62	6.87	Student	-1.16	1.02	2.88	3.76	4.62	5.49	6.36	8.22	10.40	
	204.40	3.61	1.38	School	2.45	2.89	3.26	3.44	3.61	3.79	3.96	4.34	4.77	
35	202.59	4.37	6.87	Student	-1.41	0.77	2.63	3.51	4.37	5.23	6.11	7.97	10.15	
	205.14	3.63	1.38	School	2.47	2.91	3.28	3.46	3.63	3.80	3.98	4.35	4.79	
40	204.16	4.13	6.87	Student	-1.65	0.53	2.39	3.27	4.13	5.00	5.87	7.74	9.91	
	205.84	3.65	1.38	School	2.48	2.92	3.30	3.47	3.65	3.82	4.00	4.37	4.81	
45	205.68	3.90	6.87	Student	-1.88	0.30	2.16	3.04	3.90	4.77	5.64	7.50	9.68	
	206.51	3.66	1.38	School	2.50	2.94	3.31	3.49	3.66	3.84	4.01	4.39	4.82	
48	206.58	3.77	6.87	Student	-2.01	0.17	2.03	2.90	3.77	4.63	5.51	7.37	9.55	
	206.91	3.67	1.38	School	2.51	2.95	3.32	3.50	3.67	3.84	4.02	4.39	4.83	
50	207.18	3.68	6.87	Student	-2.10	0.08	1.94	2.81	3.68	4.54	5.42	7.28	9.46	
	207.18	3.68	1.38	School	2.51	2.95	3.33	3.50	3.68	3.85	4.03	4.40	4.84	
52	207.78	3.59	6.87	Student	-2.19	-0.01	1.85	2.72	3.59	4.45	5.33	7.19	9.37	
	207.45	3.68	1.38	School	2.52	2.96	3.33	3.51	3.68	3.86	4.03	4.41	4.85	
55	208.68	3.45	6.87	Student	-2.33	-0.15	1.71	2.59	3.45	4.31	5.19	7.05	9.23	
	207.85	3.69	1.38	School	2.53	2.97	3.34	3.52	3.69	3.87	4.04	4.42	4.85	
60	210.20	3.22	6.87	Student	-2.56	-0.38	1.48	2.36	3.22	4.08	4.96	6.82	9.00	
	208.52	3.71	1.38	School	2.55	2.98	3.36	3.53	3.71	3.88	4.06	4.43	4.87	
65	211.78	2.98	6.87	Student	-2.80	-0.62	1.24	2.12	2.98	3.85	4.72	6.58	8.76	
	209.22	3.72	1.38	School	2.56	3.00	3.37	3.55	3.72	3.90	4.07	4.45	4.89	
70	213.43	2.73	6.87	Student	-3.05	-0.87	0.99	1.87	2.73	3.59	4.47	6.33	8.51	
	209.96	3.74	1.38	School	2.58	3.02	3.39	3.57	3.74	3.91	4.09	4.47	4.90	
75	215.22	2.46	6.87	Student	-3.32	-1.14	0.72	1.60	2.46	3.32	4.20	6.06	8.24	
	210.76	3.76	1.38	School	2.60	3.04	3.41	3.59	3.76	3.93	4.11	4.48	4.92	
80	217.22	2.16	6.87	Student	-3.62	-1.44	0.42	1.30	2.16	3.02	3.90	5.76	7.94	
	211.64	3.78	1.38	School	2.62	3.06	3.43	3.61	3.78	3.95	4.13	4.50	4.94	
85	219.54	1.81	6.87	Student	-3.97	-1.79	0.07	0.95	1.81	2.67	3.55	5.41	7.59	
	212.67	3.80	1.38	School	2.64	3.08	3.45	3.63	3.80	3.98	4.15	4.53	4.97	
90	222.46	1.37	6.87	Student	-4.41	-2.23	-0.37	0.50	1.37	2.23	3.11	4.97	7.15	
	213.97	3.83	1.38	School	2.67	3.11	3.48	3.66	3.83	4.01	4.18	4.56	5.00	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.29: General Science Grade 7 From Fall To Winter Conditional Growth Percentile

Start %ile	Status		Growth		CGP	Conditional Growth									
	RIT	Mean	SD	CGI		20	30	40	45	50	55	60	70	80	
10	191.90	4.24	5.71	Student	-0.56	1.25	2.79	3.52	4.24	4.96	5.69	7.23	9.04		
	200.39	2.20	0.79	School	1.54	1.79	2.00	2.10	2.20	2.30	2.40	2.61	2.87		
20	197.14	3.57	5.71	Student	-1.23	0.58	2.12	2.85	3.57	4.29	5.02	6.56	8.38		
	202.72	2.23	0.79	School	1.57	1.82	2.03	2.13	2.23	2.33	2.43	2.65	2.90		
25	199.14	3.32	5.71	Student	-1.49	0.32	1.87	2.60	3.32	4.03	4.76	6.31	8.12		
	203.61	2.24	0.79	School	1.58	1.83	2.04	2.14	2.24	2.34	2.44	2.66	2.91		
30	200.93	3.09	5.71	Student	-1.72	0.09	1.64	2.37	3.09	3.81	4.53	6.08	7.89		
	204.40	2.25	0.79	School	1.59	1.84	2.05	2.15	2.25	2.35	2.45	2.67	2.92		
35	202.59	2.88	5.71	Student	-1.93	-0.12	1.43	2.16	2.88	3.59	4.32	5.87	7.68		
	205.14	2.26	0.79	School	1.60	1.85	2.06	2.16	2.26	2.36	2.46	2.68	2.93		
40	204.16	2.68	5.71	Student	-2.13	-0.32	1.23	1.96	2.68	3.39	4.12	5.67	7.48		
	205.84	2.27	0.79	School	1.61	1.86	2.07	2.17	2.27	2.37	2.47	2.69	2.94		
45	205.68	2.48	5.71	Student	-2.32	-0.51	1.03	1.76	2.48	3.20	3.93	5.47	7.29		
	206.51	2.28	0.79	School	1.62	1.87	2.08	2.18	2.28	2.38	2.48	2.70	2.95		
48	206.58	2.37	5.71	Student	-2.44	-0.63	0.92	1.65	2.37	3.08	3.81	5.36	7.17		
	206.91	2.29	0.79	School	1.62	1.87	2.09	2.19	2.29	2.39	2.49	2.70	2.95		
50	207.18	2.29	5.71	Student	-2.51	-0.70	0.84	1.57	2.29	3.01	3.74	5.28	7.09		
	207.18	2.29	0.79	School	1.62	1.88	2.09	2.19	2.29	2.39	2.49	2.70	2.95		
52	207.78	2.21	5.71	Student	-2.59	-0.78	0.77	1.50	2.21	2.93	3.66	5.21	7.02		
	207.45	2.29	0.79	School	1.63	1.88	2.09	2.19	2.29	2.39	2.49	2.71	2.96		
55	208.68	2.10	5.71	Student	-2.71	-0.90	0.65	1.38	2.10	2.82	3.54	5.09	6.90		
	207.85	2.30	0.79	School	1.63	1.88	2.10	2.20	2.30	2.40	2.50	2.71	2.96		
60	210.20	1.90	5.71	Student	-2.90	-1.09	0.46	1.19	1.90	2.62	3.35	4.90	6.71		
	208.52	2.31	0.79	School	1.64	1.89	2.11	2.21	2.31	2.41	2.51	2.72	2.97		
65	211.78	1.70	5.71	Student	-3.10	-1.29	0.26	0.99	1.70	2.42	3.15	4.70	6.51		
	209.22	2.32	0.79	School	1.65	1.90	2.12	2.22	2.32	2.42	2.52	2.73	2.98		
70	213.43	1.49	5.71	Student	-3.31	-1.50	0.05	0.77	1.49	2.21	2.94	4.49	6.30		
	209.96	2.33	0.79	School	1.66	1.91	2.13	2.23	2.33	2.43	2.53	2.74	2.99		
75	215.22	1.26	5.71	Student	-3.54	-1.73	-0.18	0.55	1.26	1.98	2.71	4.26	6.07		
	210.76	2.34	0.79	School	1.67	1.92	2.14	2.24	2.34	2.44	2.54	2.75	3.00		
80	217.22	1.01	5.71	Student	-3.80	-1.98	-0.44	0.29	1.01	1.73	2.45	4.00	5.81		
	211.64	2.35	0.79	School	1.68	1.93	2.15	2.25	2.35	2.45	2.55	2.76	3.01		
85	219.54	0.71	5.71	Student	-4.09	-2.28	-0.73	-0.01	0.71	1.43	2.16	3.71	5.52		
	212.67	2.36	0.79	School	1.70	1.95	2.16	2.26	2.36	2.46	2.56	2.78	3.03		
90	222.46	0.34	5.71	Student	-4.47	-2.65	-1.11	-0.38	0.34	1.06	1.79	3.33	5.14		
	213.97	2.38	0.79	School	1.71	1.96	2.18	2.28	2.38	2.48	2.58	2.79	3.04		

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.30: General Science Grade 7 From Winter To Spring Conditional Growth Percentile

Start %ile	Status	Growth		CGP	Conditional Growth									
		Mean	SD		CGI	20	30	40	45	50	55	60	70	80
10	194.26	2.62	5.54	Student	-2.04	-0.29	1.21	1.92	2.62	3.31	4.02	5.52	7.28	
	202.51	1.21	0.58	School	0.72	0.91	1.06	1.14	1.21	1.28	1.36	1.51	1.70	
20	199.48	2.20	5.54	Student	-2.47	-0.71	0.79	1.50	2.20	2.89	3.60	5.10	6.86	
	204.90	1.27	0.58	School	0.78	0.97	1.12	1.20	1.27	1.34	1.42	1.58	1.76	
25	201.47	2.03	5.54	Student	-2.63	-0.87	0.63	1.34	2.03	2.73	3.44	4.94	6.70	
	205.81	1.29	0.58	School	0.81	0.99	1.15	1.22	1.29	1.37	1.44	1.60	1.78	
30	203.25	1.89	5.54	Student	-2.77	-1.01	0.49	1.19	1.89	2.59	3.29	4.80	6.55	
	206.62	1.31	0.58	School	0.83	1.01	1.17	1.24	1.31	1.39	1.46	1.62	1.80	
35	204.90	1.76	5.54	Student	-2.91	-1.15	0.35	1.06	1.76	2.45	3.16	4.66	6.42	
	207.38	1.33	0.58	School	0.85	1.03	1.19	1.26	1.33	1.41	1.48	1.64	1.82	
40	206.46	1.63	5.54	Student	-3.03	-1.27	0.23	0.93	1.63	2.33	3.03	4.54	6.29	
	208.10	1.35	0.58	School	0.86	1.05	1.21	1.28	1.35	1.43	1.50	1.66	1.84	
45	207.98	1.51	5.54	Student	-3.15	-1.40	0.10	0.81	1.51	2.20	2.91	4.41	6.17	
	208.79	1.37	0.58	School	0.88	1.07	1.22	1.30	1.37	1.44	1.52	1.67	1.86	
48	208.88	1.44	5.54	Student	-3.23	-1.47	0.03	0.74	1.44	2.13	2.84	4.34	6.10	
	209.20	1.38	0.58	School	0.89	1.08	1.23	1.31	1.38	1.45	1.53	1.68	1.87	
50	209.47	1.39	5.54	Student	-3.28	-1.52	-0.02	0.69	1.39	2.08	2.79	4.29	6.05	
	209.47	1.39	0.58	School	0.90	1.08	1.24	1.31	1.39	1.46	1.53	1.69	1.88	
52	210.07	1.34	5.54	Student	-3.32	-1.57	-0.06	0.64	1.34	2.04	2.74	4.24	6.00	
	209.74	1.39	0.58	School	0.91	1.09	1.25	1.32	1.39	1.47	1.54	1.70	1.88	
55	210.96	1.27	5.54	Student	-3.40	-1.64	-0.14	0.57	1.27	1.96	2.67	4.17	5.93	
	210.15	1.40	0.58	School	0.92	1.10	1.26	1.33	1.40	1.48	1.55	1.71	1.89	
60	212.48	1.14	5.54	Student	-3.52	-1.76	-0.26	0.45	1.14	1.84	2.55	4.05	5.81	
	210.85	1.42	0.58	School	0.93	1.12	1.28	1.35	1.42	1.49	1.57	1.73	1.91	
65	214.04	1.02	5.54	Student	-3.65	-1.89	-0.39	0.32	1.02	1.71	2.42	3.92	5.68	
	211.56	1.44	0.58	School	0.95	1.14	1.29	1.37	1.44	1.51	1.59	1.74	1.93	
70	215.69	0.88	5.54	Student	-3.78	-2.02	-0.52	0.19	0.88	1.58	2.29	3.79	5.55	
	212.32	1.46	0.58	School	0.97	1.16	1.31	1.39	1.46	1.53	1.61	1.76	1.95	
75	217.47	0.74	5.54	Student	-3.92	-2.17	-0.66	0.04	0.74	1.44	2.14	3.64	5.40	
	213.13	1.48	0.58	School	0.99	1.18	1.33	1.41	1.48	1.55	1.63	1.78	1.97	
80	219.46	0.58	5.54	Student	-4.08	-2.33	-0.82	-0.12	0.58	1.28	1.98	3.48	5.24	
	214.04	1.50	0.58	School	1.02	1.20	1.36	1.43	1.50	1.58	1.65	1.81	1.99	
85	221.77	0.39	5.54	Student	-4.27	-2.51	-1.01	-0.30	0.39	1.09	1.80	3.30	5.05	
	215.10	1.53	0.58	School	1.04	1.23	1.38	1.46	1.53	1.60	1.68	1.83	2.02	
90	224.68	0.16	5.54	Student	-4.51	-2.75	-1.25	-0.54	0.16	0.85	1.56	3.06	4.82	
	216.43	1.56	0.58	School	1.08	1.26	1.42	1.49	1.56	1.64	1.71	1.87	2.05	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.31: General Science Grade 8 From Last Winter To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	193.30	5.74	6.47	Student	0.30	2.35	4.11	4.93	5.74	6.56	7.38	9.13	11.19	
	201.69	3.38	1.41	School	2.19	2.64	3.02	3.20	3.38	3.56	3.74	4.12	4.57	
20	198.66	4.93	6.47	Student	-0.51	1.54	3.30	4.12	4.93	5.75	6.57	8.32	10.38	
	204.17	3.38	1.41	School	2.20	2.64	3.03	3.21	3.38	3.56	3.74	4.12	4.57	
25	200.69	4.63	6.47	Student	-0.81	1.24	2.99	3.81	4.63	5.44	6.26	8.02	10.07	
	205.11	3.38	1.41	School	2.20	2.64	3.03	3.21	3.38	3.56	3.74	4.12	4.57	
30	202.52	4.35	6.47	Student	-1.09	0.96	2.71	3.54	4.35	5.16	5.99	7.74	9.79	
	205.95	3.38	1.41	School	2.20	2.64	3.03	3.21	3.38	3.56	3.74	4.12	4.57	
35	204.21	4.09	6.47	Student	-1.35	0.70	2.46	3.28	4.09	4.91	5.73	7.48	9.54	
	206.73	3.38	1.41	School	2.20	2.64	3.03	3.21	3.38	3.56	3.74	4.12	4.57	
40	205.82	3.85	6.47	Student	-1.59	0.46	2.21	3.04	3.85	4.66	5.49	7.24	9.29	
	207.47	3.38	1.41	School	2.20	2.64	3.03	3.21	3.38	3.56	3.74	4.12	4.57	
45	207.37	3.62	6.47	Student	-1.82	0.23	1.98	2.80	3.62	4.43	5.25	7.01	9.06	
	208.19	3.38	1.41	School	2.20	2.64	3.03	3.21	3.38	3.56	3.74	4.12	4.57	
48	208.29	3.48	6.47	Student	-1.96	0.09	1.84	2.67	3.48	4.29	5.12	6.87	8.92	
	208.62	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.56	3.74	4.13	4.57	
50	208.90	3.39	6.47	Student	-2.06	-0.01	1.75	2.57	3.39	4.20	5.02	6.78	8.83	
	208.90	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.56	3.74	4.13	4.57	
52	209.51	3.29	6.47	Student	-2.15	-0.10	1.65	2.48	3.29	4.11	4.93	6.68	8.73	
	209.18	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.56	3.74	4.13	4.57	
55	210.43	3.15	6.47	Student	-2.29	-0.24	1.52	2.34	3.15	3.97	4.79	6.54	8.60	
	209.61	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.56	3.74	4.13	4.57	
60	211.98	2.92	6.47	Student	-2.52	-0.47	1.28	2.11	2.92	3.73	4.56	6.31	8.36	
	210.32	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.56	3.74	4.13	4.57	
65	213.59	2.68	6.47	Student	-2.77	-0.71	1.04	1.86	2.68	3.49	4.31	6.07	8.12	
	211.07	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.56	3.74	4.13	4.57	
70	215.28	2.42	6.47	Student	-3.02	-0.97	0.78	1.61	2.42	3.23	4.06	5.81	7.86	
	211.85	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.56	3.74	4.13	4.57	
75	217.11	2.14	6.47	Student	-3.30	-1.25	0.51	1.33	2.14	2.96	3.78	5.53	7.59	
	212.69	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.56	3.74	4.13	4.57	
80	219.14	1.84	6.47	Student	-3.60	-1.55	0.20	1.02	1.84	2.65	3.47	5.23	7.28	
	213.63	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.57	3.75	4.13	4.58	
85	221.51	1.48	6.47	Student	-3.96	-1.91	-0.16	0.67	1.48	2.29	3.12	4.87	6.92	
	214.73	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.57	3.75	4.13	4.58	
90	224.49	1.03	6.47	Student	-4.41	-2.36	-0.61	0.21	1.03	1.84	2.66	4.42	6.47	
	216.11	3.39	1.41	School	2.20	2.65	3.03	3.21	3.39	3.57	3.75	4.13	4.58	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.32: General Science Grade 8 From Last Spring To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth								
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84
10	194.16	6.02	7.16	Student	0.00	2.27	4.21	5.12	6.02	6.92	7.84	9.78	12.05
	203.13	3.18	1.83	School	1.64	2.22	2.71	2.95	3.18	3.41	3.64	4.14	4.72
20	199.73	5.03	7.16	Student	-0.99	1.28	3.22	4.13	5.03	5.93	6.85	8.79	11.06
	205.62	3.17	1.83	School	1.62	2.20	2.70	2.93	3.17	3.40	3.63	4.13	4.71
25	201.85	4.66	7.16	Student	-1.37	0.90	2.84	3.76	4.66	5.56	6.47	8.41	10.68
	206.57	3.16	1.83	School	1.62	2.20	2.70	2.93	3.16	3.39	3.62	4.12	4.70
30	203.75	4.32	7.16	Student	-1.70	0.57	2.51	3.42	4.32	5.22	6.13	8.07	10.34
	207.42	3.16	1.83	School	1.61	2.19	2.69	2.92	3.16	3.39	3.62	4.12	4.70
35	205.51	4.01	7.16	Student	-2.02	0.25	2.19	3.11	4.01	4.91	5.82	7.76	10.03
	208.21	3.15	1.83	School	1.61	2.19	2.69	2.92	3.15	3.38	3.62	4.11	4.69
40	207.18	3.71	7.16	Student	-2.31	-0.04	1.90	2.81	3.71	4.61	5.52	7.46	9.73
	208.95	3.15	1.83	School	1.60	2.19	2.68	2.92	3.15	3.38	3.61	4.11	4.69
45	208.80	3.42	7.16	Student	-2.60	-0.33	1.61	2.52	3.42	4.32	5.24	7.17	9.45
	209.67	3.14	1.83	School	1.60	2.18	2.68	2.91	3.14	3.37	3.61	4.10	4.69
48	209.75	3.25	7.16	Student	-2.77	-0.50	1.44	2.35	3.25	4.15	5.07	7.00	9.28
	210.10	3.14	1.83	School	1.60	2.18	2.68	2.91	3.14	3.37	3.61	4.10	4.68
50	210.39	3.14	7.16	Student	-2.88	-0.61	1.33	2.24	3.14	4.04	4.95	6.89	9.16
	210.39	3.14	1.83	School	1.60	2.18	2.67	2.91	3.14	3.37	3.60	4.10	4.68
52	211.02	3.03	7.16	Student	-3.00	-0.73	1.21	2.13	3.03	3.93	4.84	6.78	9.05
	210.67	3.14	1.83	School	1.59	2.18	2.67	2.91	3.14	3.37	3.60	4.10	4.68
55	211.98	2.86	7.16	Student	-3.17	-0.90	1.04	1.96	2.86	3.76	4.67	6.61	8.88
	211.10	3.14	1.83	School	1.59	2.17	2.67	2.90	3.14	3.37	3.60	4.10	4.68
60	213.59	2.57	7.16	Student	-3.45	-1.18	0.76	1.67	2.57	3.47	4.38	6.32	8.59
	211.82	3.13	1.83	School	1.59	2.17	2.67	2.90	3.13	3.36	3.60	4.09	4.67
65	215.26	2.27	7.16	Student	-3.75	-1.48	0.46	1.37	2.27	3.17	4.08	6.02	8.29
	212.57	3.13	1.83	School	1.58	2.17	2.66	2.90	3.13	3.36	3.59	4.09	4.67
70	217.02	1.96	7.16	Student	-4.06	-1.79	0.15	1.06	1.96	2.86	3.77	5.71	7.98
	213.35	3.12	1.83	School	1.58	2.16	2.66	2.89	3.12	3.35	3.59	4.08	4.67
75	218.92	1.62	7.16	Student	-4.40	-2.13	-0.19	0.72	1.62	2.52	3.43	5.37	7.64
	214.20	3.12	1.83	School	1.57	2.16	2.65	2.89	3.12	3.35	3.58	4.08	4.66
80	221.04	1.24	7.16	Student	-4.78	-2.51	-0.57	0.34	1.24	2.14	3.06	5.00	7.27
	215.15	3.11	1.83	School	1.57	2.15	2.65	2.88	3.11	3.34	3.58	4.07	4.66
85	223.51	0.81	7.16	Student	-5.22	-2.95	-1.01	-0.09	0.81	1.70	2.62	4.56	6.83
	216.25	3.11	1.83	School	1.56	2.14	2.64	2.88	3.11	3.34	3.57	4.07	4.65
90	226.61	0.25	7.16	Student	-5.77	-3.50	-1.56	-0.65	0.25	1.15	2.07	4.01	6.28
	217.64	3.10	1.83	School	1.56	2.14	2.63	2.87	3.10	3.33	3.56	4.06	4.64

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.33: General Science Grade 8 From Fall To N Fall Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	194.55	3.91	7.36	Student	-2.28	0.05	2.04	2.98	3.91	4.83	5.77	7.77	10.10	
	202.87	3.08	1.49	School	1.82	2.30	2.70	2.89	3.08	3.26	3.45	3.86	4.33	
20	199.95	3.72	7.36	Student	-2.47	-0.14	1.86	2.80	3.72	4.65	5.59	7.58	9.92	
	205.42	3.18	1.49	School	1.92	2.40	2.80	2.99	3.18	3.36	3.55	3.96	4.43	
25	202.00	3.65	7.36	Student	-2.54	-0.21	1.79	2.73	3.65	4.58	5.52	7.51	9.85	
	206.39	3.22	1.49	School	1.96	2.43	2.84	3.03	3.22	3.40	3.59	4.00	4.47	
30	203.85	3.59	7.36	Student	-2.60	-0.27	1.73	2.66	3.59	4.51	5.45	7.45	9.78	
	207.25	3.25	1.49	School	2.00	2.47	2.87	3.06	3.25	3.44	3.63	4.03	4.50	
35	205.56	3.53	7.36	Student	-2.66	-0.33	1.67	2.61	3.53	4.46	5.40	7.39	9.72	
	208.06	3.28	1.49	School	2.03	2.50	2.90	3.09	3.28	3.47	3.66	4.06	4.53	
40	207.18	3.48	7.36	Student	-2.72	-0.38	1.61	2.55	3.48	4.40	5.34	7.33	9.67	
	208.82	3.31	1.49	School	2.06	2.53	2.93	3.12	3.31	3.50	3.69	4.09	4.56	
45	208.74	3.42	7.36	Student	-2.77	-0.44	1.56	2.50	3.42	4.35	5.29	7.28	9.61	
	209.56	3.34	1.49	School	2.09	2.56	2.96	3.15	3.34	3.53	3.72	4.12	4.59	
48	209.67	3.39	7.36	Student	-2.80	-0.47	1.53	2.47	3.39	4.31	5.25	7.25	9.58	
	210.00	3.36	1.49	School	2.10	2.58	2.98	3.17	3.36	3.54	3.73	4.14	4.61	
50	210.29	3.37	7.36	Student	-2.82	-0.49	1.50	2.44	3.37	4.29	5.23	7.23	9.56	
	210.29	3.37	1.49	School	2.12	2.59	2.99	3.18	3.37	3.56	3.75	4.15	4.62	
52	210.90	3.35	7.36	Student	-2.85	-0.51	1.48	2.42	3.35	4.27	5.21	7.21	9.54	
	210.58	3.38	1.49	School	2.13	2.60	3.00	3.19	3.38	3.57	3.76	4.16	4.63	
55	211.83	3.32	7.36	Student	-2.88	-0.54	1.45	2.39	3.32	4.24	5.18	7.17	9.51	
	211.01	3.40	1.49	School	2.14	2.62	3.02	3.21	3.40	3.58	3.77	4.18	4.65	
60	213.40	3.26	7.36	Student	-2.93	-0.60	1.40	2.34	3.26	4.19	5.13	7.12	9.45	
	211.75	3.43	1.49	School	2.17	2.65	3.05	3.24	3.43	3.61	3.80	4.21	4.68	
65	215.02	3.21	7.36	Student	-2.99	-0.65	1.34	2.28	3.21	4.13	5.07	7.07	9.40	
	212.51	3.46	1.49	School	2.20	2.68	3.08	3.27	3.46	3.64	3.83	4.24	4.71	
70	216.72	3.15	7.36	Student	-3.04	-0.71	1.28	2.22	3.15	4.07	5.01	7.01	9.34	
	213.32	3.49	1.49	School	2.23	2.71	3.11	3.30	3.49	3.67	3.86	4.27	4.74	
75	218.57	3.08	7.36	Student	-3.11	-0.77	1.22	2.16	3.08	4.01	4.95	6.94	9.28	
	214.19	3.52	1.49	School	2.27	2.74	3.14	3.33	3.52	3.71	3.90	4.30	4.77	
80	220.62	3.01	7.36	Student	-3.18	-0.84	1.15	2.09	3.01	3.94	4.88	6.87	9.21	
	215.15	3.56	1.49	School	2.31	2.78	3.18	3.37	3.56	3.75	3.94	4.34	4.81	
85	223.01	2.93	7.36	Student	-3.26	-0.93	1.07	2.01	2.93	3.86	4.80	6.79	9.13	
	216.28	3.60	1.49	School	2.35	2.82	3.23	3.42	3.60	3.79	3.98	4.38	4.86	
90	226.02	2.83	7.36	Student	-3.36	-1.03	0.97	1.90	2.83	3.75	4.69	6.69	9.02	
	217.70	3.66	1.49	School	2.41	2.88	3.28	3.47	3.66	3.85	4.04	4.44	4.91	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.34: General Science Grade 8 From Fall To Spring Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	194.55	5.76	7.30	Student	-0.38	1.93	3.91	4.84	5.76	6.68	7.61	9.59	11.90	
	202.87	3.39	1.72	School	1.94	2.49	2.95	3.17	3.39	3.61	3.82	4.29	4.84	
20	199.95	4.90	7.30	Student	-1.25	1.07	3.05	3.98	4.90	5.81	6.74	8.72	11.04	
	205.42	3.34	1.72	School	1.89	2.44	2.90	3.12	3.34	3.55	3.77	4.24	4.78	
25	202.00	4.57	7.30	Student	-1.58	0.74	2.72	3.65	4.57	5.48	6.42	8.39	10.71	
	206.39	3.32	1.72	School	1.87	2.42	2.88	3.10	3.32	3.53	3.75	4.22	4.76	
30	203.85	4.27	7.30	Student	-1.87	0.44	2.42	3.35	4.27	5.19	6.12	8.10	10.41	
	207.25	3.30	1.72	School	1.85	2.40	2.87	3.08	3.30	3.52	3.74	4.20	4.75	
35	205.56	4.00	7.30	Student	-2.14	0.17	2.15	3.08	4.00	4.91	5.85	7.82	10.14	
	208.06	3.28	1.72	School	1.84	2.38	2.85	3.07	3.28	3.50	3.72	4.19	4.73	
40	207.18	3.74	7.30	Student	-2.40	-0.09	1.89	2.82	3.74	4.65	5.59	7.56	9.88	
	208.82	3.27	1.72	School	1.82	2.37	2.83	3.05	3.27	3.48	3.70	4.17	4.71	
45	208.74	3.49	7.30	Student	-2.66	-0.34	1.64	2.57	3.49	4.40	5.34	7.31	9.63	
	209.56	3.25	1.72	School	1.81	2.35	2.82	3.04	3.25	3.47	3.69	4.15	4.70	
48	209.67	3.34	7.30	Student	-2.80	-0.49	1.49	2.42	3.34	4.25	5.19	7.16	9.48	
	210.00	3.24	1.72	School	1.80	2.34	2.81	3.03	3.24	3.46	3.68	4.15	4.69	
50	210.29	3.24	7.30	Student	-2.90	-0.59	1.39	2.32	3.24	4.16	5.09	7.07	9.38	
	210.29	3.24	1.72	School	1.79	2.34	2.80	3.02	3.24	3.45	3.67	4.14	4.68	
52	210.90	3.14	7.30	Student	-3.00	-0.69	1.29	2.22	3.14	4.06	4.99	6.97	9.28	
	210.58	3.23	1.72	School	1.79	2.33	2.80	3.02	3.23	3.45	3.67	4.13	4.68	
55	211.83	2.99	7.30	Student	-3.15	-0.84	1.14	2.07	2.99	3.91	4.84	6.82	9.13	
	211.01	3.22	1.72	School	1.78	2.32	2.79	3.01	3.22	3.44	3.66	4.12	4.67	
60	213.40	2.74	7.30	Student	-3.40	-1.09	0.89	1.82	2.74	3.66	4.59	6.57	8.88	
	211.75	3.21	1.72	School	1.76	2.31	2.77	2.99	3.21	3.42	3.64	4.11	4.65	
65	215.02	2.48	7.30	Student	-3.66	-1.35	0.63	1.56	2.48	3.40	4.33	6.31	8.62	
	212.51	3.19	1.72	School	1.75	2.29	2.76	2.98	3.19	3.41	3.63	4.09	4.64	
70	216.72	2.21	7.30	Student	-3.94	-1.62	0.36	1.29	2.21	3.12	4.06	6.03	8.35	
	213.32	3.18	1.72	School	1.73	2.28	2.74	2.96	3.18	3.39	3.61	4.08	4.62	
75	218.57	1.91	7.30	Student	-4.23	-1.92	0.06	0.99	1.91	2.83	3.76	5.74	8.05	
	214.19	3.16	1.72	School	1.71	2.26	2.72	2.94	3.16	3.38	3.59	4.06	4.61	
80	220.62	1.58	7.30	Student	-4.56	-2.25	-0.27	0.66	1.58	2.50	3.43	5.41	7.72	
	215.15	3.14	1.72	School	1.69	2.24	2.70	2.92	3.14	3.36	3.58	4.04	4.59	
85	223.01	1.20	7.30	Student	-4.94	-2.63	-0.65	0.28	1.20	2.12	3.05	5.03	7.34	
	216.28	3.12	1.72	School	1.67	2.22	2.68	2.90	3.12	3.33	3.55	4.02	4.56	
90	226.02	0.72	7.30	Student	-5.43	-3.11	-1.13	-0.20	0.72	1.63	2.56	4.54	6.86	
	217.70	3.09	1.72	School	1.64	2.19	2.65	2.87	3.09	3.30	3.52	3.99	4.53	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.35: General Science Grade 8 From Fall To Winter Conditional Growth Percentile

Start Status %ile	Growth			CGP CGI	Conditional Growth									
	RIT	Mean	SD		20 -0.84	30 -0.52	40 -0.25	45 -0.13	50 0.00	55 0.13	60 0.25	70 0.52	80 0.84	
10	194.55	4.05	5.88	Student	-0.89	0.97	2.56	3.31	4.05	4.79	5.54	7.13	9.00	
	202.87	2.08	0.98	School	1.26	1.57	1.84	1.96	2.08	2.21	2.33	2.60	2.91	
20	199.95	3.35	5.88	Student	-1.60	0.27	1.86	2.61	3.35	4.09	4.84	6.43	8.29	
	205.42	2.05	0.98	School	1.23	1.54	1.81	1.93	2.05	2.18	2.30	2.57	2.88	
25	202.00	3.08	5.88	Student	-1.87	-0.00	1.59	2.34	3.08	3.82	4.57	6.16	8.02	
	206.39	2.04	0.98	School	1.22	1.53	1.79	1.92	2.04	2.17	2.29	2.56	2.87	
30	203.85	2.84	5.88	Student	-2.11	-0.24	1.35	2.10	2.84	3.58	4.33	5.92	7.78	
	207.25	2.03	0.98	School	1.21	1.52	1.78	1.91	2.03	2.16	2.28	2.55	2.86	
35	205.56	2.62	5.88	Student	-2.33	-0.47	1.13	1.88	2.62	3.35	4.10	5.70	7.56	
	208.06	2.02	0.98	School	1.20	1.51	1.77	1.90	2.02	2.15	2.27	2.54	2.85	
40	207.18	2.40	5.88	Student	-2.54	-0.68	0.92	1.67	2.40	3.14	3.89	5.49	7.35	
	208.82	2.02	0.98	School	1.19	1.50	1.77	1.89	2.02	2.14	2.26	2.53	2.84	
45	208.74	2.20	5.88	Student	-2.75	-0.88	0.71	1.46	2.20	2.94	3.69	5.28	7.14	
	209.56	2.01	0.98	School	1.18	1.49	1.76	1.88	2.01	2.13	2.26	2.52	2.83	
48	209.67	2.08	5.88	Student	-2.87	-1.00	0.59	1.34	2.08	2.82	3.57	5.16	7.02	
	210.00	2.00	0.98	School	1.17	1.49	1.75	1.88	2.00	2.12	2.25	2.52	2.83	
50	210.29	2.00	5.88	Student	-2.95	-1.08	0.51	1.26	2.00	2.74	3.49	5.08	6.94	
	210.29	2.00	0.98	School	1.17	1.48	1.75	1.87	2.00	2.12	2.25	2.51	2.83	
52	210.90	1.92	5.88	Student	-3.03	-1.16	0.43	1.18	1.92	2.66	3.41	5.00	6.86	
	210.58	1.99	0.98	School	1.17	1.48	1.75	1.87	1.99	2.12	2.24	2.51	2.82	
55	211.83	1.80	5.88	Student	-3.15	-1.28	0.31	1.06	1.80	2.54	3.29	4.88	6.74	
	211.01	1.99	0.98	School	1.16	1.47	1.74	1.87	1.99	2.11	2.24	2.51	2.82	
60	213.40	1.59	5.88	Student	-3.35	-1.49	0.10	0.85	1.59	2.33	3.08	4.67	6.54	
	211.75	1.98	0.98	School	1.15	1.47	1.73	1.86	1.98	2.10	2.23	2.50	2.81	
65	215.02	1.38	5.88	Student	-3.57	-1.70	-0.11	0.64	1.38	2.12	2.87	4.46	6.33	
	212.51	1.97	0.98	School	1.14	1.46	1.72	1.85	1.97	2.10	2.22	2.49	2.80	
70	216.72	1.16	5.88	Student	-3.79	-1.92	-0.33	0.42	1.16	1.90	2.65	4.24	6.10	
	213.32	1.96	0.98	School	1.14	1.45	1.71	1.84	1.96	2.09	2.21	2.48	2.79	
75	218.57	0.92	5.88	Student	-4.03	-2.16	-0.57	0.18	0.92	1.66	2.41	4.00	5.86	
	214.19	1.95	0.98	School	1.13	1.44	1.70	1.83	1.95	2.08	2.20	2.47	2.78	
80	220.62	0.65	5.88	Student	-4.30	-2.43	-0.84	-0.09	0.65	1.39	2.14	3.73	5.59	
	215.15	1.94	0.98	School	1.11	1.43	1.69	1.82	1.94	2.06	2.19	2.46	2.77	
85	223.01	0.34	5.88	Student	-4.61	-2.74	-1.15	-0.40	0.34	1.08	1.83	3.42	5.28	
	216.28	1.93	0.98	School	1.10	1.41	1.68	1.80	1.93	2.05	2.18	2.44	2.76	
90	226.02	-0.06	5.88	Student	-5.00	-3.14	-1.54	-0.79	-0.06	0.68	1.43	3.03	4.89	
	217.70	1.91	0.98	School	1.08	1.40	1.66	1.79	1.91	2.04	2.16	2.43	2.74	

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Table E.4.36: General Science Grade 8 From Winter To Spring Conditional Growth Percentile

Start %ile	Status		Growth		CGP	Conditional Growth									
	RIT	Mean	SD	CGI		20	30	40	45	50	55	60	70	80	
10	196.67	2.39	5.66	Student	-2.38	-0.58	0.95	1.68	2.39	3.10	3.82	5.36	7.15		
	204.85	1.15	0.74	School	0.53	0.76	0.96	1.05	1.15	1.24	1.33	1.53	1.77		
20	202.03	1.99	5.66	Student	-2.77	-0.98	0.56	1.28	1.99	2.70	3.43	4.96	6.76		
	207.40	1.18	0.74	School	0.56	0.79	0.99	1.09	1.18	1.27	1.36	1.56	1.80		
25	204.07	1.84	5.66	Student	-2.92	-1.12	0.41	1.13	1.84	2.56	3.28	4.81	6.61		
	208.37	1.19	0.74	School	0.57	0.80	1.00	1.10	1.19	1.28	1.38	1.58	1.81		
30	205.89	1.71	5.66	Student	-3.05	-1.26	0.28	1.00	1.71	2.42	3.14	4.68	6.47		
	209.24	1.20	0.74	School	0.58	0.82	1.02	1.11	1.20	1.29	1.39	1.59	1.82		
35	207.59	1.59	5.66	Student	-3.18	-1.38	0.15	0.87	1.59	2.30	3.02	4.55	6.35		
	210.05	1.21	0.74	School	0.59	0.83	1.03	1.12	1.21	1.30	1.40	1.60	1.83		
40	209.20	1.47	5.66	Student	-3.30	-1.50	0.03	0.76	1.47	2.18	2.90	4.44	6.23		
	210.81	1.22	0.74	School	0.60	0.84	1.04	1.13	1.22	1.31	1.41	1.61	1.84		
45	210.75	1.35	5.66	Student	-3.41	-1.62	-0.08	0.64	1.35	2.06	2.79	4.32	6.12		
	211.56	1.23	0.74	School	0.61	0.85	1.04	1.14	1.23	1.32	1.42	1.62	1.85		
48	211.67	1.29	5.66	Student	-3.48	-1.68	-0.15	0.57	1.29	2.00	2.72	4.25	6.05		
	211.99	1.24	0.74	School	0.62	0.85	1.05	1.14	1.24	1.33	1.42	1.62	1.86		
50	212.28	1.24	5.66	Student	-3.52	-1.73	-0.19	0.53	1.24	1.95	2.68	4.21	6.01		
	212.28	1.24	0.74	School	0.62	0.85	1.05	1.15	1.24	1.33	1.43	1.63	1.86		
52	212.90	1.20	5.66	Student	-3.57	-1.77	-0.24	0.48	1.20	1.91	2.63	4.16	5.96		
	212.58	1.24	0.74	School	0.62	0.86	1.06	1.15	1.24	1.34	1.43	1.63	1.86		
55	213.82	1.13	5.66	Student	-3.64	-1.84	-0.31	0.42	1.13	1.84	2.56	4.10	5.89		
	213.01	1.25	0.74	School	0.63	0.86	1.06	1.16	1.25	1.34	1.44	1.64	1.87		
60	215.37	1.01	5.66	Student	-3.75	-1.95	-0.42	0.30	1.01	1.73	2.45	3.98	5.78		
	213.75	1.26	0.74	School	0.64	0.87	1.07	1.17	1.26	1.35	1.45	1.65	1.88		
65	216.98	0.90	5.66	Student	-3.87	-2.07	-0.54	0.18	0.90	1.61	2.33	3.86	5.66		
	214.52	1.27	0.74	School	0.65	0.88	1.08	1.18	1.27	1.36	1.46	1.66	1.89		
70	218.67	0.77	5.66	Student	-3.99	-2.20	-0.66	0.06	0.77	1.48	2.21	3.74	5.54		
	215.33	1.28	0.74	School	0.66	0.89	1.09	1.19	1.28	1.37	1.47	1.67	1.90		
75	220.50	0.64	5.66	Student	-4.13	-2.33	-0.80	-0.07	0.64	1.35	2.07	3.61	5.40		
	216.20	1.29	0.74	School	0.67	0.90	1.10	1.20	1.29	1.38	1.48	1.68	1.91		
80	222.54	0.49	5.66	Student	-4.28	-2.48	-0.95	-0.22	0.49	1.20	1.92	3.46	5.25		
	217.17	1.30	0.74	School	0.68	0.92	1.12	1.21	1.30	1.40	1.49	1.69	1.92		
85	224.91	0.31	5.66	Student	-4.45	-2.65	-1.12	-0.40	0.31	1.03	1.75	3.28	5.08		
	218.30	1.32	0.74	School	0.70	0.93	1.13	1.23	1.32	1.41	1.50	1.70	1.94		
90	227.90	0.09	5.66	Student	-4.67	-2.87	-1.34	-0.62	0.09	0.81	1.53	3.06	4.86		
	219.72	1.34	0.74	School	0.72	0.95	1.15	1.24	1.34	1.43	1.52	1.72	1.96		

CGI - Conditional Growth Index CGP - Conditional Growth Percentile

Appendix F - End-of-course Tests

Table F.1: End-of-Course Tests

Subject	Mean	SD	N
Algebra 1	240.3	17.02	85,132
Geometry	248.9	17.31	33,053
Algebra 2	251.7	16.94	12,825

Table F.2: End-of-Course Upper Level Mathematics RIT Score to Percentile Rank Conversion

Pctl	Algebra 1	Geometry	Algebra 2	Pctl	Pctl	Algebra 1	Geometry	Algebra 2	Pctl
1	201	209	212	1	51	241	249	252	51
2	205	213	217	2	52	241	250	253	52
3	208	216	220	3	53	242	250	253	53
4	211	219	222	4	54	242	251	253	54
5	212	220	224	5	55	242	251	254	55
6	214	222	225	6	56	243	252	254	56
7	215	223	227	7	57	243	252	255	57
8	216	225	228	8	58	244	252	255	58
9	218	226	229	9	59	244	253	256	59
10	219	227	230	10	60	245	253	256	60
11	219	228	231	11	61	245	254	256	61
12	220	229	232	12	62	246	254	257	62
13	221	229	233	13	63	246	255	257	63
14	222	230	233	14	64	246	255	258	64
15	223	231	234	15	65	247	256	258	65
16	223	232	235	16	66	247	256	259	66
17	224	232	235	17	67	248	257	259	67
18	225	233	236	18	68	248	257	260	68
19	225	234	237	19	69	249	258	260	69
20	226	234	237	20	70	249	258	261	70
21	227	235	238	21	71	250	259	261	71
22	227	236	239	22	72	250	259	262	72
23	228	236	239	23	73	251	260	262	73
24	228	237	240	24	74	251	260	263	74
25	229	237	240	25	75	252	261	263	75
26	229	238	241	26	76	252	261	264	76
27	230	238	241	27	77	253	262	264	77
28	230	239	242	28	78	253	262	265	78
29	231	239	242	29	79	254	263	265	79
30	231	240	243	30	80	255	264	266	80
31	232	240	243	31	81	255	264	267	81
32	232	241	244	32	82	256	265	267	82
33	233	241	244	33	83	257	265	268	83
34	233	242	245	34	84	257	266	269	84
35	234	242	245	35	85	258	267	269	85
36	234	243	246	36	86	259	268	270	86
37	235	243	246	37	87	260	268	271	87
38	235	244	246	38	88	260	269	272	88
39	236	244	247	39	89	261	270	272	89
40	236	245	247	40	90	262	271	273	90
41	236	245	248	41	91	263	272	274	91
42	237	245	248	42	92	264	273	275	92
43	237	246	249	43	93	265	274	277	93
44	238	246	249	44	94	267	276	278	94
45	238	247	250	45	95	268	277	280	95
46	239	247	250	46	96	270	279	281	96
47	239	248	250	47	97	272	281	284	97
48	239	248	251	48	98	275	284	286	98
49	240	249	251	49	99	280	289	291	99
50	240	249	252	50					