

The **SSAT**
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2018-2019

Interpretive Guide for the Elementary Level SSAT



The Enrollment Management Association is pleased to provide this guide in order to acquaint member schools and organizations with various aspects of the Secondary School Admission Test (SSAT) and to provide guidelines for the interpretation and use of test scores.

For more than 50 years, the SSAT has been used to help students and schools make critical decisions about applying and admission. Sections of the SSAT measure verbal and mathematical ability and reading comprehension. The test also includes an unscored, timed writing sample which is sent to schools with the student's score report to supplement a student's application for admission.



Each student takes the SSAT under standardized testing conditions and is given the same amount of time and instruction (exceptions are made for those who qualify for testing accommodations). This guide contains information for the Elementary Level exams for students in grades 3 and 4.



The **Enrollment Management** Association
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Introduction

The *Interpretive Guide for the Elementary Level SSAT* has been prepared to assist with the interpretation of SSAT results. Although this guide does not cover all aspects of the psychometric data that is available about the SSAT, it does provide information that can help admission officers and educators with those aspects of the test that are most useful to them. In addition, this guide contains general information about the SSAT.

Purpose of the SSAT

The SSAT is designed for students who are seeking entrance to independent schools in grades 4 to PG in the U.S., Canada, and worldwide. The purpose of the SSAT is to measure the basic verbal, quantitative, and reading skills students develop over time that are needed for successful performance in independent schools. The SSAT provides independent school admission professionals with meaningful information about the possible academic success of potential students at their institutions, regardless of students' background or experience.

The SSAT is not an achievement test. It is not designed to measure the extent of knowledge about a specific curriculum that has been covered in class. Further, SSAT tests are not designed to measure other characteristics such as motivation, persistence, or creativity, that may contribute to a student's success in school.

Test Development Process

SSAT test items are written by test development specialists and subject matter experts. Our test editors review all test material for any questions that may be inappropriate for various subgroups of the population. In addition, questions are reviewed for ambiguities to ensure that there is only one "best" response for each item.

In order to develop a pool of items for future tests, The Elementary Level test contains a brief experimental section. These questions have been developed, scrutinized, and determined to meet SSAT standards. Each test question is then analyzed statistically to determine usefulness. Satisfactory items become part of the item pool from which new editions of the test are assembled. Unsatisfactory items are discarded or rewritten. Rewritten items are subject to the review and pretesting process again. These experimental questions are not part of a student's score.

Test Specifications

This guide contains information on the Elementary Level of the SSAT. The Elementary Level test is administered to students in grades 3 and 4.

The Elementary SSAT consists of three multiple-choice sections with a testing time of 20 minutes for the verbal section, 30 minutes for the quantitative section, and 30 minutes for the reading section. These sections yield four scores:

- + Verbal
- + Quantitative (Math)
- + Reading Comprehension
- + Total (Verbal + Quantitative + Reading)

In addition, each administration of the Elementary SSAT includes a 15-minute writing sample. Writing samples are not scored, but are submitted to score recipients to supplement a student's application. The total testing time for a standard Elementary SSAT administration is 125 minutes, which includes the experimental section and a 15-minute break.

Samples of SSAT question types are provided on the SSAT website and in *The Official Guide to the Elementary Level SSAT*. This publication is available as a free download from the SSAT website, www.ssat.org.



Content and statistical specifications can help ensure that the test indeed measures the intended construct for the target population, that multiple forms are built to the same blueprint, and that scores earned on different forms are comparable after score equating. Items are scrutinized according to a number of factors so that content, skills measured, and overall difficulty of items are consistent in all test editions. A brief description of content specifications for each section of the Elementary SSAT follows.

Verbal Section

The verbal section of the test consists of 15 synonym questions and 15 analogy questions. The synonym portion measures verbal ability. The analogy portion measures a student's proficiency in identifying logical relationships between words and concepts.

The verbal section is not intended to be a test of vocabulary only, and therefore includes common words that are expected to be familiar to the average SSAT test taker.

Both types of verbal items—synonyms and analogies—are carefully balanced to avoid advantage or disadvantage to students whose interests and backgrounds may have led them to read more or acquire a large vocabulary in specific areas.

Quantitative Section

The Elementary SSAT includes a quantitative section containing 30 questions. The questions are designed to measure understanding of mathematical concepts, computation, routine mathematical manipulations, and problem solving, as well as some recall of basic nomenclature and rules. The test items vary in difficulty and measure different levels of understanding. Depending upon the student's experiences in school, some concepts may be unfamiliar.

The questions in this section are drawn from the following areas:

- + Basic addition, subtraction, multiplication, and division
- + Factors and multiples (4th grade only)
- + Place value
- + Ordering of numbers (greater than, less than)
- + Fractions
- + Patterns (4th grade only)
- + Basic concepts of geometry (shapes and their attributes)
- + Basic concepts of measurement
- + Interpretation of graphs
- + Basic concepts of angle measurements (4th grade only)



Reading Comprehension Section

The reading comprehension section consists of 28 questions based on seven reading passages that include prose and poetry, fiction, and nonfiction. The passages cover a variety of subject areas so that examinees will not be at an advantage or disadvantage as a result of encountering material related to an area with which they may or may not be familiar. The passages vary in length, but are typically 100 to 300 words.

The reading comprehension questions, designed to measure a student's ability to understand and assimilate what has been read, ask the test taker to:

- + Locate information and find meaning by skimming and close reading.
- + Demonstrate literal, inferential, and evaluative comprehension.
- + Show understanding of key ideas and details as well as the meaning of words and phrases as they are used in the text.
- + Determine the theme of a story, drama, or poem from details of the text.

Writing Section

The Elementary SSAT includes an unscored writing sample that is sent to schools with the student's score report. The student is asked to look at a picture and write a story about what happened. The students have 15 minutes to complete the writing portion of the exam.



Administration of the SSAT

Test Security

The SSAT is a secure test. The integrity of the test prior to and following a test administration is strictly maintained. Testing centers must meet rigid standards and comply with established rules for the receipt, storage, administration, and return shipment of test materials.

Uniform Conditions

The SSAT is a standardized test. Test development, interpretation of scores, and test administration are managed in a prescribed way. To ensure that scores earned by examinees at different administrations are strictly comparable, the *Test Administrator's Guide to the SSAT* provides precise instructions, to be followed by qualified and experienced test administrators, from the moment the student is admitted to the test center until the time of dismissal. Any deviations from the uniform testing conditions are reported in writing to The Enrollment Management Association. Each report is reviewed by The Enrollment Management Association and issues and/or problems are resolved.

Testing Accommodations

A student with a disability may apply for testing accommodations for administrations of the SSAT. Students requiring testing accommodations such as extra time, large print, or Braille editions of the test, for example, may be accommodated, pending application and submission of documentation (if applicable).

Additional information regarding application for testing accommodations is available on the SSAT web site: www.ssat.org/TA.

Reporting SSAT Scores

There are two types of test administrations for which scores are reported—Standard test administrations (six per admission year) and Flex test administrations—available on an as-needed basis at member sites.

For Standard administrations, school scores are routinely reported online on the second Tuesday following the test administration for score recipients selected prior to score release. Student score reports are routinely reported on the Wednesday following the Tuesday that scores are available to schools. For Flex administrations, scores are reported online via roster on the day that they are scored.

Score Reports

The SSAT score report is available to schools, educational consultants, and educational organizations. Parents, guardians, students, or advisors designate school score report recipients. A separate score report is provided to the test taker. Score reports to test takers do not contain any school-specific information.

There are a number of SSAT score reporting procedures. SSAT scores are reported to schools online in exportable rosters and as individual report PDFs.

Context is a key component to effective interpretation of test scores. To increase support for SSAT score interpretation, school applicant comparison context data is added to the school score reports following the schools's submission of data on accepted and enrolled students. For the 2018-2019 year, the scores of a test taker are placed in many different contexts on the school score report

School Score Report Sample

Elementary SSAT Score Report



Student Name
Student, Sample

Family Address
 1234 Main Street
 Anytown, NJ 08888

Test Date
 02 Mar 2019

Test Center ID
 1234

Test Level
 Elementary

School ID
 1234

Registration Number
 123456789

Family Phone #
 555-555-5555

Family Email
 samplestudent@ssat.org

Current Grade
 4

Gender
 Female

Birth Date
 01 Dec 2008

	Test Taker's Scores		SSAT Reference Information			
	Score	Range	Grade 4 Total		Grade 4 Female	
	Possible Scaled Score Range: 300-600		Student Percentile	Average Score	Student Percentile	Average Score
Verbal	560	540 - 580	81	479	81	480
Quantitative	440	420 - 460	45	469	53	457
Reading	500	480 - 520	63	478	63	479
Total	1500		64	1426	67	1416

	Applicant Comparison Data for 1234 (Grade 4)		
	All 2016-2017 Reports	2017 Accepted Students	2017 Enrolled Students
	Rank Order	Rank Order	Rank Order
Verbal	6 of 35	6 of 27	5 of 20
Quantitative	19 of 35	15 of 27	13 of 20
Reading	14 of 35	13 of 27	9 of 20
Total	11 of 35	10 of 27	7 of 20
	Average Score	Average Score	Average Score
Verbal	460	475	470
Quantitative	455	482	480
Reading	471	490	486
Total	1386	1447	1436

Applicant Comparison Data ranks the scores in this report among all grade 4 score reports sent to your school in the previous year, 2017-2018. N/A indicates that data has not been submitted for your school; please contact members@enrollment.org for more information.

	Number of Questions			Percent Correct Right/Total	Percent Correct Right/Answered
	Right	Wrong	Not Answered		
Verbal Synonyms	12	3	0	80 %	80 %
Verbal Analogies	13	2	0	87 %	87 %
Verbal Questions Not Reached: 0					
Number Concepts and Operations	9	4	3	56 %	69 %
Algebra, Geometry and Other Math	9	3	2	64 %	75 %
Quantitative Questions Not Reached: 5					
Reading Main Idea and Content	13	1	0	93 %	93 %
Reading Higher Order and Interpretation	9	5	0	64 %	64 %
Reading Questions Not Reached: 0					

Questions not answered include both omitted questions and questions not reached. The number of Right, Wrong, and Not Answered questions should NOT be compared across different forms, for the same test taker or between different test takers. The number of Right, Wrong, and Not Answered questions not only depends on a test taker's ability, but also depends on the difficulty of the questions. Hence, score equating is used to adjust the form difficulty differences, and the resulting scaled scores can be compared across forms.

SSAT Writing Sample

Look at the picture and tell a story about what happened. Make sure your story includes a beginning, a middle, and an end.

The children were playing in the park when the bubble man came for the show.

Everybody came running over to see the show. There were lots of big bubbles.

A boy tried to pop them. He missed and fell down.

He started to cry.

His other friends came over to take him to




his mom.

He went home. And
didn't come to the
park again for a
long time.

Family Score Report

The family score report is available to families online for free. A hard copy of the score report can be mailed to a family for an additional fee.



Secondary School Admission Test Score Report

About You

Name	Grade	
Sample Student	4	Sample Student 123 Main Street Anytown, NJ 12345
Gender	Date of Birth	
Male	01 Feb 2008	

The Test You Took

Registration ID	Test Date	
123456789	02 Mar 2019	
Test Level	Test Center	
Elementary	Test Center (1234)	

	Your Scaled Scores		SSAT Reference Information			
	Possible Scaled Score Range: 300-600		Grade 4 Total		Grade 4 Male	
	Score	Range	Your Percentile	Average Score	Your Percentile	Average Score
Verbal	340	320 - 360	5	476	6	476
Quantitative	400	380 - 420	21	471	16	482
Reading	480	460 - 500	51	477	51	475
Total	1220		16	1424	14	1433

What is my Scaled Score, and Why Do I have a Personal Score Range?

Scores are first calculated by awarding one point for each correct and zero points for each omitted or incorrect answer. These scores are called raw scores. Raw scores can vary from one edition of the test to another due to differences in difficulty among different editions. A statistical procedure called "equating" is used to adjust for these differences. Even after these adjustments, no single test score provides a perfectly accurate estimate of your proficiency. Therefore, we provide a score range on the SSAT score scale to emphasize the possibility of score differences if you had taken a different edition of the test instead of the one you took. Your scores on these different versions would likely fall within the scaled score ranges indicated above.

What Do My SSAT Percentiles Mean?

Your SSAT percentiles have a range of 1 to 99, indicating the percentage of other test takers who scored at or below your scaled score. The two percentiles compare your performance to the performances of all other students in the same grade level, and of the same grade level and gender who have taken the SSAT within the past three years, respectively. If you are concerned that your percentiles are lower than you have earned on other tests, please remember that SSAT test takers are members of a small and highly competitive group of students who plan to attend some of the world's best independent schools. You should not be discouraged by what seems to be a lower percentile than you usually attain on standardized tests. The average score is the average scaled score of all students in the same grade level, and of the same grade level and gender who have taken the SSAT within the past three years.

Test Question Breakdown

	Right	Wrong	Not Answered	% Correct
Verbal Questions testing your knowledge of words (synonyms) and your ability to relate ideas (analogies).				
Synonyms	5	10	0	33
Analogies	3	12	0	20
				27
Math Questions testing your knowledge of number properties and relationships, basic computation, concepts of equivalencies, geometry, measurement, and interpretation of charts/graphs.				
Number Concepts & Operations	3	7	0	30
Algebra, Geometry & Other Math	6	14	0	30
				30
Reading Questions regarding the main idea and supporting details of a passage or requiring higher order skills, such as deriving the meaning of words from context, extracting the meaning of a passage, or interpreting an author's logic, attitude and tone.				
Main Idea	8	3	0	73
Higher Order	11	6	0	65
				68

Questions not answered include both omitted questions and questions not reached. The number of Right, Wrong, and Not Answered questions should NOT be compared across different forms, for the same test taker or between different test takers. The number of Right, Wrong, and Not Answered questions not only depends on a test taker's ability, but also depends on the difficulty of the questions. Hence, score equating is used to adjust the form difficulty differences, and the resulting scaled scores can be compared across forms.



Interpreting SSAT Scores

Raw Scores

On the Elementary Level test, a *raw score* is the number of questions answered correctly.

Scaled Scores

The raw score is converted to a score on the 300-to-600 Elementary Level scale, which is called the *scaled score*. This is the score that appears on the student's score report. The scaled score yielded by a raw score can vary slightly from one edition of the test to another. This is due to small differences in difficulty among different editions. A statistical procedure called "equating" is used to adjust for these small differences. See "Score Equating" on page 15 for more details.

Range of Scaled Scores

In reality, a perfectly reliable test is never realized. Standard Error of Measurement (SEM) measures how a student's official observed test scores vary from his or her "true" scores (see "True Score" on page 18). This is why ranges of scaled scores are provided in the score reports, to emphasize the possibility of score differences due to SEM. See "Standard Error of Measurement" on page 17 for more details.

The crucial use of the SEM is to treat each scaled score as a band rather than as a point when using scores to make decisions about test takers. It is a common practice to extend the band one SEM above the obtained score and one SEM below the obtained score. For example, the SEM of the Elementary Level test is 20 for the verbal section. If a student gets a scaled score of 500 on the verbal section, there is a 68% chance that his/her score will fluctuate between 480 and 520 if he or she takes the test again.

Norms and Percentiles

The SSAT is a norm-referenced test. A *norm-referenced* test interprets an individual test taker's score relative to the distribution of scores for a comparison group, referred to as the norm group. The SSAT Elementary Level test norm group consists of all first-time test takers (same grade and same grade and gender) who took the test during the past three academic years in the U.S. and Canada. For students who tested multiple times, only the first test scores are used to calculate the ranking percentile.

The SSAT reports percentiles. The percentile is the percentage of students in the norm group whose scores fall at or below a particular scaled score. For example, if a 3rd grade student's scaled score is 520 and the percentile is 73 on the verbal section, it means that 73% of scores of all the other 3rd grade students (who took the test during the past three academic years) fell at or below 520.

The two sets of SSAT percentiles are different because the test taker's scores are being compared with two different groups of test takers. Grade-only and grade-and-gender percentiles vary by competitive group, while the scaled scores are constant.

Table 1A to 1B (pages 20 and 21) provide percentile ranks for Grades 3 and 4, respectively.



Average Scores

The average of a group of scores provides a useful reference point when considering an individual score (e.g., above average, below average) for a test taker's grade and gender. The average scores shown are for all first-time test takers testing in the U.S. and Canada over the most recent three-year period of the same grade and the same grade and gender as the reported test taker. For students who tested multiple times, only the first test scores are used to calculate the average score.

Number of Right, Wrong, and Not Answered for Subject Areas

For each subject area, the report provides:

- + The number of questions answered correctly
- + The number of questions answered incorrectly
- + The number of questions omitted
- + The number of questions not reached at the end of each test section (for school reports only)

It is recommended that schools use this information to understand a child's scores in more depth. For instance, a low reading comprehension score could indicate either a reading problem or a slower reading speed. A score report may reflect the latter in the number of items not reached as compared to the total number of questions omitted in the entire section.

School-Specific Context Data

Context is a key component to effective interpretation of test scores. The most important context for interpretation of test scores and other information is your school; thus your school's context data is added to each test taker's SSAT score report if your school reports its accepted and enrolled data to The Enrollment Management Association. The contexts included on the school score report place the test taker's scores into the school's environment, providing a much more meaningful comparison. School score reports are specific to each school and include context data for that school.

School Context: All 2017-18 Reports

This table places the test taker's scores in the context of all of the same-grade test takers who sent scores to your school in the last admission year. The reported test taker's scores can be compared directly with those of all of the same-grade test takers' scores received by your school last year. Also shown are the mean (average) scores for all of the same-grade test takers whose scores your school received in the last admission year.

School Context: 2018 Accepted Students

This table places the test taker's scores in the context of all scores of the same-grade test takers accepted by your school in the last admission year. Also shown are the average scores for all of the same-grade test takers accepted by your school in the last admission year. (If your school does not participate in the Applicant Comparison Data share, these fields are blank.)

School Context: 2018 Enrolled Students

This table places the test taker's scores in the context of all of the same-grade test takers enrolled by your school in the last admission year. Also shown are the average scores for all of the same-grade test takers enrolled by your school in the last admission year. (If your school does not participate in the Applicant Comparison Data share, these fields are blank.)



SSAT Subject Areas

SSAT results are reported in the following subject areas:

Verbal

- + Synonyms — Assess a student's ability to select the one word or phrase that is closest in meaning to the word given.
- + Analogies — Assess a student's ability to find relationships between words.

Quantitative

- + Number Concepts and Operations — These questions cover addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals; rounding, place value, estimation, and properties; odd, even, positive, negative, and prime numbers; and ratios and proportions.
- + Algebra, Geometry, Measurement and Other Math — These questions deal with describing and extending patterns; equalities and inequalities; shapes, line segments, and angles; linear measure, area, and perimeter; reading and interpreting graphs and tables; weight, capacity, time, temperature, and money; as well as logic, data analysis, and probability.

Reading Comprehension

- + Reading Main Ideas and Content — Some of these questions require a student to use specific details that are stated in the passage to identify main ideas and/or provide answers to questions relating to "who," "what," "where," "when," "why," and "how." Other questions ask the student to use context clues to determine the meaning of a specific word or phrase and choose the correct definition or synonym.
- + Reading Higher Order and Interpretation — These questions require the student to make predictions, conclusions, and inferences about the behaviors and motives of the author and of the characters depicted in that passage using implicit information from the passage or drawing on the information contained in the passage



Statistical Terms and the SSAT

Score Equating

Different SSAT forms are built and administered to students each year. Although test developers follow prescribed specifications when they assemble new forms so that different forms can be parallel in difficulty as much as possible, in reality it is inevitable that there are variations in form difficulty. A statistical procedure referred to as *score equating* is used to adjust for minor form difficulty differences, so that scores reported to students taking different forms are comparable.

Mean

The *mean* of a group of scores is the arithmetic average. Computing the mean is a useful way to determine the average of a group for most kinds of measurement. The mean becomes a more useful and reliable measure as the size of the group upon which it is based increases. It is determined by adding the scores and dividing by the number of scores in that group.



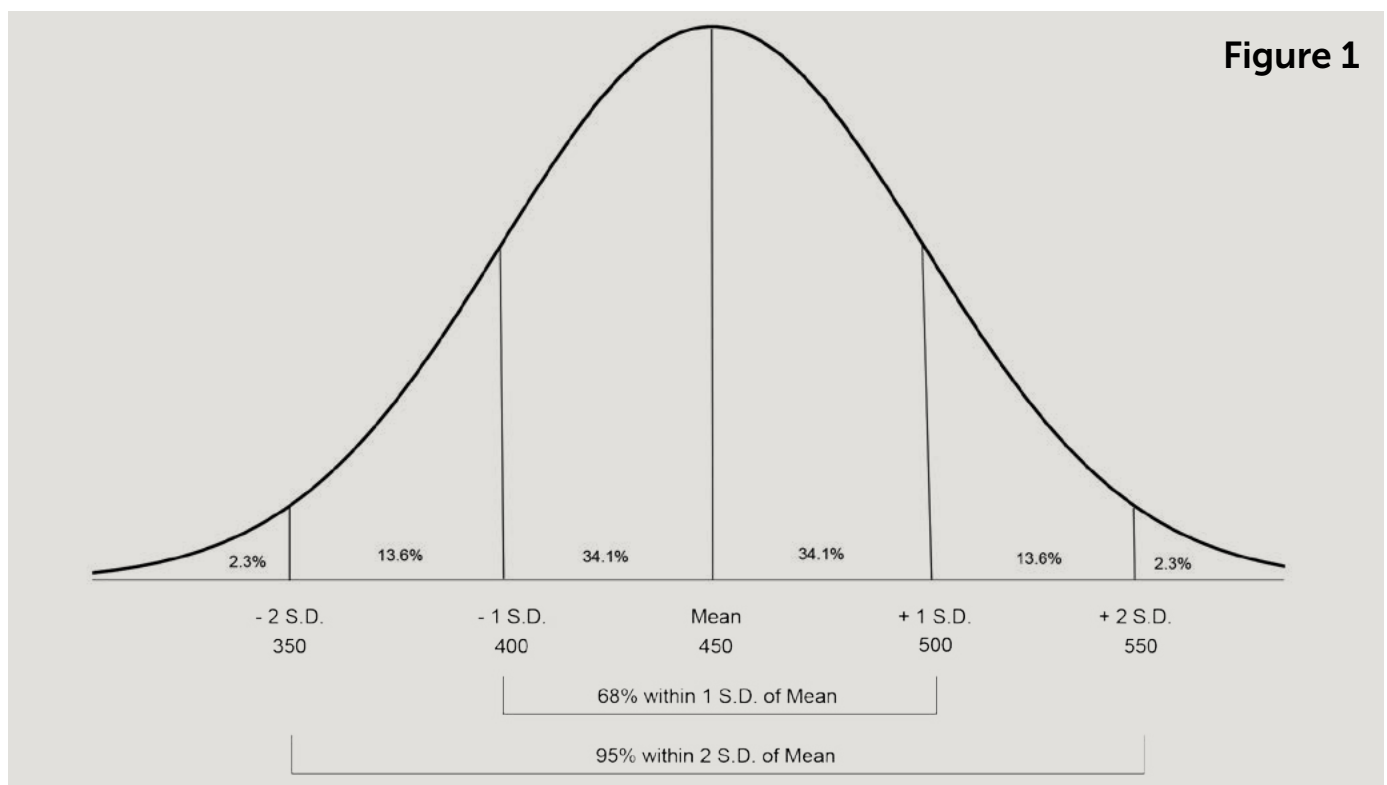


Standard Deviation

The standard deviation is a statistic that indicates how much variation exists in a set of scores. A group with many high scores and many low scores will have a large standard deviation. A group of scores that are all close together will have a small standard deviation. If a group of scores has a normal distribution (the familiar bell-shaped curve), as is the case for national norm groups on many tests, about 68% of scores will fall within one standard deviation of the mean. About 16% of the scores will be more than one standard deviation below the mean score and about 16% will be more than one standard deviation above the mean.

Figure 1 illustrates the relationship between standard deviation and test scores. The mean score for this test is 450 and the standard deviation is 50 points. One standard deviation above the mean is a score of 500, and 34% of the test-taking population earn scores that are between 450 and 500. Similarly, another 34% of the population score within one standard deviation below the mean, or between 400 and 450. This means that 68% of the test-taking population score within one standard deviation (50 points) above or below the mean score (450), or between 400 and 500. More than 13% score between one and two standard deviations above or below the mean, so that a total of 95% of the test takers score within two standard deviations of the mean, or between 350 and 550. Notice that less than 5% of test takers score more than two standard deviations above or below the mean.

An understanding of how means and standard deviations are related can help you to compare how students perform relative to the entire test-taking population and may help you to identify those who are “average,” “above/below average,” or “exceptional” in either direction. You may be aware that a score of 570 on the reading comprehension section is very good. However, when you consult Figure 1, you will see that such a score is greater than two standard deviations above the mean, and that you have before you a student who has scored in the top 2% of all test takers.





Reliability of Test Scores

Reliability is the tendency of test scores to be consistent on two or more occasions of testing, if there is no real change in the test takers' abilities. Most concern focuses on reliability as it involves the specific questions that a student answers. As the questions on a particular test represent a mere sample of the many questions that could possibly have been included, one must consider how closely the test results agree with the results that would have been produced by a different set of similar questions.

For scaled scores, a reliability coefficient of 1.00 indicates perfect reliability; a coefficient of .00 indicates no reliability at all. The Elementary Level SSAT tests have reliability coefficients ranging between .74 and .87.

Standard Error of Measurement (SEM)

Standard Error of Measurement (SEM) does not mean that someone has made a mistake in administering or scoring the test. It only means that students' scores on a test tend to differ somewhat from the scores they would earn if the test were perfectly reliable (true score). In reality, however, a perfectly reliable test is never realized. Standard Error of Measurement (SEM) measures how a student's test scores vary from his or her "true score" (see "True Score" below).

The crucial use of the SEM is to treat each scaled score as a band rather than as a point when using scores to make decisions about test takers. It is a common practice to extend the band one SEM above the obtained score and one SEM below the obtained score. For example, the SEM of the Elementary Level test is 20 on verbal. If a student gets a scaled score of 500 on verbal, there is a 68% chance that his/her score will fluctuate between 480 (one SEM below 500) and 520 (one SEM above 500) if he or she takes the test again.

Standard Error of Difference (SED)

Because test scores are not perfect measures of ability, we expect an examinee's scores to differ if the person takes the test more than once (see "Standard Error of Measurement" above). In the same way, we should expect the scores of two examinees of equal ability to differ. *The Standard Error of Difference (SED)* is an index of the average-sized difference that we would expect between test scores of two examinees of equal ability. If the test scores of two examinees differ by less than the SED, there is no substantial evidence that the two examinees differ in ability. If the test scores differ by an amount greater than the SED (say, 1.5 times the SED), then we may have confidence that the two individuals truly differ in ability as measured by the test.

The SED is calculated as $\sqrt{2} \times SEM$. For example, the SEM of SSAT Elementary Level test is 20 points on verbal. The SED is roughly 30 points. If two individuals' verbal scores differ greater than 45 points (1.5 times the SED), then we may have confidence that the two individuals truly differ in their verbal abilities measured by the SSAT.

True Score

True score is a hypothetical concept indicating what an individual's score on a test would be if the test were perfectly reliable. It is thought of as the hypothetical average of an infinite number of obtained scores for a test taker with the effect of practice removed.



Validity

Test validity refers to the degree to which evidence exists to support the interpretation of test scores for particular purposes. It is important to note that we validate a test score for a particular use (e.g., admission, placement), and that validity is not the property of a test in and of itself. This means that as opposed to talking about a test as simply valid or not valid, one should instead state, for example, "There is a great deal of validity evidence to support the use of SSAT scores for independent school admission decisions." This also represents the notion that validity is a matter of degree and not absolute. It is therefore very important to gather validity evidence over time to either enhance, confirm or contradict previous findings.

There are various sources of validity evidence that can be examined, such as the content tested (e.g., subject area and types of items), the internal structure of the test (e.g., reliability and other psychometric properties), and relationships between the test scores and other variables (e.g., correlations with the outcomes the test is expected to predict).

The Enrollment Management Association can conduct a validity study for individual schools with school specific data provided by the school. This service is available for member schools for a fee of \$500.





Appendices

Appendix A:

SSAT Percentiles, by Grade, of Elementary Level Test

The norms presented in the following tables are based on first-time Elementary Level test takers who tested between August 1, 2015 and July 31, 2018. They are not representative of students in general throughout the country, nor are they representative of all students enrolled in independent secondary schools.

Percentiles reported on individual score report forms are based on the performance of students of the same grade and of the same grade level and gender and may be found in the following tables..

Guide to Reading Tables

Verbal	V
Quantitative	Q
Reading Comprehension	R

Table 1A

**PERCENTILE RANKS ON THE SECONDARY SCHOOL ADMISSION TEST
3rd GRADE - VERBAL, QUANTITATIVE, AND READING**

Based on United States and Canadian Standard First-Time Test Takers August 2015-July 2018

Scaled Score	SSAT Percentile Female			SSAT Percentile Male			SSAT Percentile Total		
	V	Q	R	V	Q	R	V	Q	R
600	99	99	99	99	99	99	99	99	99
590	98	99	98	98	98	98	98	98	98
580	95	95	96	96	92	96	96	93	96
570	93	90	93	93	84	94	93	87	94
560	88	85	89	88	76	88	88	79	88
550	82	84	85	83	73	83	83	77	84
540	81	81	84	79	69	82	80	74	83
530	76	80	77	74	67	75	75	72	76
520	74	77	75	72	62	74	73	68	75
510	66	75	68	67	59	68	66	66	68
500	65	71	64	64	54	63	65	61	64
490	59	68	60	60	52	59	60	59	60
480	55	64	55	55	48	54	55	54	54
470	51	57	54	51	43	52	51	49	53
460	45	55	48	46	41	46	46	47	47
450	43	52	42	45	38	40	44	43	41
440	39	46	39	38	34	36	38	39	37
430	34	41	33	32	31	33	33	35	33
420	29	38	28	28	29	27	28	32	27
410	26	34	22	25	26	21	26	29	22
400	21	27	18	22	21	17	21	24	17
390	18	22	14	19	17	13	19	19	13
380	13	18	10	15	14	12	14	16	11
370	8	14	8	12	11	9	11	12	9
360	7	11	3	8	8	5	8	10	5
350	5	6	2	6	5	4	6	5	3
340	2	4	1	4	3	2	3	3	1
330	1	2	1	2	1	1	2	1	1
320	1	1	1	1	1	1	1	1	1
310	1	1	1	1	1	1	1	1	1
300	1	1	1	1	1	1	1	1	1

Table 1B

**PERCENTILE RANKS ON THE SECONDARY SCHOOL ADMISSION TEST
3RD GRADE - TOTAL SCALED SCORES**

Based on United States and Canadian Standard First-Time Test Takers August 2015-July 2018

Total Scaled Score	Female TOTAL	Male TOTAL	Total TOTAL
1800	99	99	99
1790	99	99	99
1780	99	99	99
1770	99	99	99
1760	98	99	99
1750	98	98	98
1740	98	98	98
1730	98	97	98
1720	97	96	97
1710	96	95	96
1700	95	94	94
1690	94	92	93
1680	92	91	91
1670	91	89	90
1660	89	88	88
1650	87	87	87
1640	87	86	86
1630	85	84	85
1620	84	83	83
1610	83	81	82
1600	82	79	80
1590	80	78	79
1580	79	76	77
1570	77	75	76
1560	77	73	74
1550	75	71	73
1540	74	69	71
1530	72	66	68
1520	71	64	67
1510	69	62	65
1500	68	60	63

Total Scaled Score	Female TOTAL	Male TOTAL	Total TOTAL
1490	67	58	61
1480	66	56	60
1470	65	54	59
1460	62	52	56
1450	61	50	54
1440	59	48	52
1430	56	46	50
1420	55	45	49
1410	53	44	47
1400	51	42	45
1390	49	40	43
1380	47	39	42
1370	45	38	41
1360	43	37	39
1350	40	36	37
1340	39	35	36
1330	37	34	35
1320	35	32	33
1310	35	30	32
1300	33	28	30
1290	32	27	29
1280	31	27	28
1270	29	25	27
1260	27	24	25
1250	26	22	23
1240	24	21	22
1230	22	18	20
1220	21	17	19
1210	19	15	17
1200	16	14	15

Total Scaled Score	Female TOTAL	Male TOTAL	Total TOTAL
1190	14	14	14
1180	13	12	12
1170	11	12	11
1160	10	10	10
1150	8	9	9
1140	7	8	8
1130	6	8	7
1120	5	6	6
1110	4	6	5
1100	3	5	4
1090	3	4	4
1080	3	4	3
1070	2	3	3
1060	2	3	2
1050	1	2	2
1040	1	2	2
1030	1	2	1
1020	1	1	1
1010	1	1	1
1000	1	1	1
990	1	1	1
980	1	1	1
970	1	1	1
960	1	1	1
950	1	1	1
940	1	1	1
930	1	1	1
920	1	1	1
910	1	1	1
900	1	1	1



Table 1B

**PERCENTILE RANKS ON THE SECONDARY SCHOOL ADMISSION TEST
4th GRADE - VERBAL, QUANTITATIVE, AND READING**

Based on United States and Canadian Standard First-Time Test Takers August 2015-July 2018

Scaled Score	SSAT Percentile Female			SSAT Percentile Male			SSAT Percentile Total		
	V	Q	R	V	Q	R	V	Q	R
600	99	99	99	99	99	99	99	99	99
590	99	98	99	99	98	99	99	98	99
580	95	96	99	94	94	99	94	95	99
570	84	92	97	86	87	98	85	89	97
560	82	88	95	83	80	96	83	84	95
550	76	82	88	79	73	91	77	77	90
540	76	81	87	79	71	90	77	76	88
530	69	78	80	73	67	83	71	72	82
520	69	77	74	73	64	76	71	70	75
510	63	75	71	66	61	72	64	68	71
500	60	72	64	63	58	64	62	65	64
490	56	70	57	57	56	57	56	63	57
480	54	67	52	55	53	51	54	60	52
470	48	63	46	49	48	45	49	55	45
460	47	59	43	47	44	41	47	51	42
450	40	57	35	40	42	34	40	49	35
440	36	50	32	36	34	31	36	42	32
430	34	44	27	32	29	25	33	36	26
420	30	40	23	28	26	21	29	33	22
410	26	32	17	24	19	17	25	25	17
400	23	27	14	22	15	15	22	21	15
390	19	19	11	18	9	12	19	14	12
380	16	11	8	16	5	9	16	8	9
370	12	5	5	12	2	7	12	3	6
360	10	2	4	9	1	5	10	1	5
350	7	2	3	7	1	2	7	1	2
340	5	1	1	5	1	1	5	1	1
330	3	1	1	2	1	1	3	1	1
320	2	1	1	2	1	1	2	1	1
310	1	1	1	1	1	1	1	1	1
300	1	1	1	1	1	1	1	1	1

Table 2B

**PERCENTILE RANKS ON THE SECONDARY SCHOOL ADMISSION TEST
4TH GRADE - TOTAL SCALED SCORES**

Based on United States and Canadian Standard First-Time Test Takers August 2015-July 2018

Total Scaled Score	Female TOTAL	Male TOTAL	Total TOTAL
1800	99	99	99
1790	99	99	99
1780	99	99	99
1770	99	99	99
1760	99	99	99
1750	99	99	99
1740	98	99	99
1730	97	98	98
1720	97	97	97
1710	95	96	96
1700	94	95	94
1690	93	93	93
1680	92	91	91
1670	91	90	90
1660	90	89	89
1650	88	87	88
1640	87	87	87
1630	86	86	86
1620	84	83	84
1610	83	82	82
1600	82	80	81
1590	81	78	79
1580	79	76	77
1570	78	75	76
1560	76	74	75
1550	75	72	73
1540	73	69	71
1530	71	68	70
1520	69	66	67
1510	67	64	65
1500	65	62	63

Total Scaled Score	Female TOTAL	Male TOTAL	Total TOTAL
1490	64	60	62
1480	62	59	60
1470	60	57	58
1460	60	54	57
1450	58	52	55
1440	56	51	53
1430	55	48	51
1420	53	46	50
1410	51	44	47
1400	49	42	46
1390	47	40	43
1380	45	38	42
1370	44	36	40
1360	42	35	38
1350	40	33	36
1340	38	31	34
1330	36	29	32
1320	34	27	30
1310	32	25	29
1300	30	24	27
1290	29	23	26
1280	28	21	24
1270	26	20	23
1260	24	19	21
1250	22	18	20
1240	21	17	19
1230	19	16	18
1220	18	15	16
1210	16	14	15
1200	15	12	14

Total Scaled Score	Female TOTAL	Male TOTAL	Total TOTAL
1190	14	11	13
1180	12	10	11
1170	11	9	10
1160	10	8	9
1150	8	7	8
1140	7	6	7
1130	7	6	6
1120	6	5	5
1110	5	4	5
1100	5	3	4
1090	4	2	3
1080	3	1	2
1070	2	1	2
1060	2	1	1
1050	1	1	1
1040	1	1	1
1030	1	1	1
1020	1	1	1
1010	1	1	1
1000	1	1	1
990	1	1	1
980	1	1	1
970	1	1	1
960	1	1	1
950	1	1	1
940	1	1	1
930	1	1	1
920	1	1	1
910	1	1	1
900	1	1	1



Appendix B:

SSAT Means and Standard Deviations

The means and standard deviations on the following tables are based on first-time Elementary Level test takers who tested from August 1, 2015 through July 31, 2018. If a student tested multiple times, only the first test scores were used to calculate the means. They are not representative of students in general throughout the country, nor are they representative of all students enrolled in independent secondary schools.



Table 1 Boys Tested August 2015-July 2018

MEANS AND STANDARD DEVIATIONS ON THE SECONDARY SCHOOL ADMISSION TEST
Based on United States and Canadian First-Time Test Takers August 2015-July 2018*

Verbal	Elementary	
	03	04
Total Test Takers	701	1102
Mean Scaled Score	472	474
Standard Deviation	73	76

Quantitative	Elementary	
	03	04
Total Test Takers	701	1102
Mean Scaled Score	484	486
Standard Deviation	79	70

Reading	Elementary	
	03	04
Total Test Takers	701	1102
Mean Scaled Score	474	476
Standard Deviation	68	60

Total	Elementary	
	03	04
Total Test Takers	701	1102
Mean Scaled Score	1430	1436
Standard Deviation	190	176

*Standard administrations and scheduled Flex administrations.



Table 2 Girls Tested August 2015-July 2018

MEANS AND STANDARD DEVIATIONS ON THE SECONDARY SCHOOL ADMISSION TEST

Based on United States and Canadian First-Time Test Takers August 2015-July 2018*

Verbal	Elementary	
	03	04
Total Test Takers	463	1002
Mean Scaled Score	473	475
Standard Deviation	71	79

Quantitative	Elementary	
	03	04
Total Test Takers	463	1002
Mean Scaled Score	460	461
Standard Deviation	75	70

Reading	Elementary	
	03	04
Total Test Takers	463	1002
Mean Scaled Score	473	477
Standard Deviation	67	61

Total	Elementary	
	03	04
Total Test Takers	463	1002
Mean Scaled Score	1406	1413
Standard Deviation	185	185

*Standard administrations and scheduled Flex administrations.



Table 3 All Students Tested August 2015-July 2018

MEANS AND STANDARD DEVIATIONS ON THE SECONDARY SCHOOL ADMISSION TEST
Based on United States and Canadian First-Time Test Takers August 2015-July 2018*

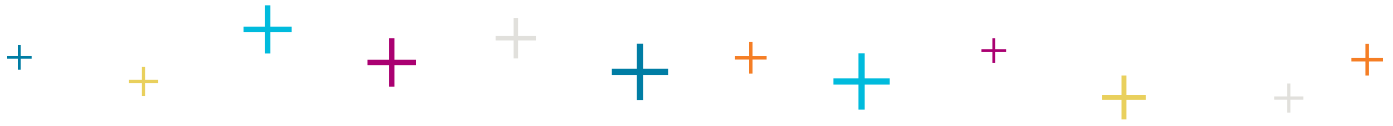
Verbal	Elementary	
	03	04
Total Test Takers	1164	2104
Mean Scaled Score	472	475
Standard Deviation	72	78

Quantitative	Elementary	
	03	04
Total Test Takers	1164	2104
Mean Scaled Score	475	474
Standard Deviation	78	71

Reading	Elementary	
	03	04
Total Test Takers	1164	2104
Mean Scaled Score	474	476
Standard Deviation	68	60

Total	Elementary	
	03	04
Total Test Takers	1164	2104
Mean Scaled Score	1421	1425
Standard Deviation	189	181

*Standard administrations and scheduled Flex administrations.



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