

# Understanding Florida Standards Assessments Reports

2015

Florida Department of Education

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# **Table of Contents**

Introduction	3
Purpose of the FSA	3
Subjects/Grade Levels Tested in 2015	3
Testing Format	3
Question Formats	4
Florida Standards Assessments Scores	
FSA ELA, Mathematics, and EOC Scores	5
FSA Student, School, District, and State Reports	
Codes for No Data Reported	
FSA ELA, Mathematics, and EOC Student Reports	
FSA ELA, Mathematics, and EOC School Report of Students	10
FSA ELA, Mathematics, and EOC State and District Reports of Results	12
FSA Reporting Categories	17
FSA ELA Reporting Categories	
FSA Mathematics Reporting Categories	18
FSA EOC Reporting Categories	20
Glossary	22

# **Understanding FSA Reports**

#### Introduction

This document has been prepared to help you understand the score reports for the **Florida Standards Assessments** (**FSA**). It includes explanations of the reports, information about the content assessed in Mathematics and English Language Arts (ELA) relating to the Florida Standards, and a glossary of the terms used in these reports. The explanations provided for the sample reports apply to all grade levels except where otherwise noted.

Authorized users must log in to the **Online Reporting System (ORS)** to access and view their FSA ELA, Mathematics, or End-of-Course (EOC) Assessment reports. The reports posted in the ORS are restricted to authorized district and school personnel, since they contain confidential student information. Assistance with these reports is available in the ORS User Guide, which is available on the FSA Portal or by clicking the "Help" button in ORS.

Note: Terms are defined in the glossary, are cross-referenced, and appear in **bold** text the first time they are referenced in a section.

# **Purpose of the FSA**

The Florida Standards in Mathematics and English Language Arts were approved by the Florida State Board of Education in February 2014 and were implemented in grades K–12 in the 2014–2015 school year. All Florida schools teach the Florida Standards, and students were assessed through the statewide Florida Standards Assessments (FSA). Data from the FSAs will provide information to parents, teachers, policy makers, and the general public regarding how well students are learning the Florida Standards.

# **Subjects/Grade Levels Tested in 2015**

- Grades 3–10 English Language Arts (Writing component in grades 4–10)
- Grades 3–8 Mathematics
- Algebra 1 EOC Assessment
- Geometry EOC Assessment
- Algebra 2 EOC Assessment

Most students, including English language learner (ELL) and exceptional student education (ESE) students, enrolled in the tested grade levels participated in the 2015 FSA administration. Administration accommodations are provided to eligible ELL and ESE students.

Note: In accordance with Section 1008.22(3)(b)1., Florida Statutes, "Middle grades students enrolled in Algebra I or Geometry must take the statewide, standardized EOC assessment for those courses and are not required to take the corresponding grade-level FCAT."

# **Testing Format**

Florida has been transitioning to **computer-based testing** since 2010. Paper-based versions of ELA and Mathematics assessments are available for students in grades 3 and 4. In addition, paper-based forms and accommodated test forms are provided for students with disabilities, as specified in their Individualized Education Program (IEP) or Section 504 plans. Accommodated paper-based forms include large print, braille, and one-item-per-page. Computer-based accommodations, such as masking, are available in the computer-based platform for eligible students who require them.

# **Computer-Based Tests**

- Grades 8–10 ELA Writing
- Grades 5–10 ELA Reading
- Grades 5–8 Mathematics
- Algebra 1, Geometry, and Algebra 2 EOC

# Paper-Based Tests

- Grades 4-7 ELA Writing
- Grades 3–4 ELA Reading and Mathematics

# **Question Formats**

Students respond to **items** in multiple ways, including by creating graphs, writing extended responses and using other interactive features. The various question types are designed to assess higher-order thinking skills and offer diverse ways for students to show what they know and can do. Detailed descriptions of the question formats and item types are available in the item specifications posted to the <u>FSA Portal</u>.

#### Florida Standards Assessments Scores

FSA results are reported in several formats. Reports are distributed to students, schools, and districts. Table 1 provides a list of FSA reports, the format in which the report will be delivered, the grade levels at which each report is provided, and the page of this document on which each report is described.

# **FSA ELA, Mathematics, and EOC Scores**

#### **ELA, Mathematics, and EOC T Scores and Percentile Ranks**

Both **T scores** and **percentile ranks** are reported for FSA ELA, Mathematics, and EOC tests because the standard setting will not be completed by the time scores are required to be reported. Students will receive a **T Score** between 20–80 on a **T score scale**. On the T score scale, which is only used to report results for initial administrations, a score of approximately 50 is the statewide average and all interpretations are norm-referenced interpretations. Students will also receive a percentile rank, which will show how they performed on each grade level/**subject area** test compared to all other students in Florida who took the same test. The percentile rank is based on the student's T score. Percentile ranks are included in individual student reports; T scores are only reported in the **Online Reporting System (ORS)** and are not included in individual student reports.

#### FSA Grade 10 ELA and Algebra 1 Linked Scores

For FSA Grade 10 ELA and Algebra 1 EOC, students' scores will be linked to FCAT 2.0 Grade 10 and NGSSS Algebra 1 EOC score scales. These linked scores are provided in any state, district and school level data for Grade 10 ELA and Algebra 1 EOC aggregated results, but are not included in individual student reports.

# **Reporting Category Scores**

The Florida Department of Education encourages educators to use FSA results in any way that is statistically appropriate. The comparisons that are described in this section provide possibilities for evaluation of reporting category scores at the school and district levels.

**Reporting category scores** are the actual number of questions answered correctly within each **reporting category**. These scores are also known as raw scores. Reporting categories represent groups of similar student skills, or benchmarks that are assessed within each grade and subject.

For educators to gather reliable information from the FSA, it is important to identify the comparisons at the reporting category score level that yield valid interpretations of student performance.

# **FSA Student, School, District, and State Reports**

Table 1: FSA Reports, Format of Delivery, and Grades

	FSA Report Title	Format of Delivery	Grades	Page of Report Description
Ņ	ELA Student Report	Paper	3–9	<u>8</u>
Repor	Mathematics Student Report	Paper	3–8	<u>8</u>
Student Reports	Geometry and Algebra 2 EOC Student Report	Paper	All	8
Š	ELA Grade 10 and Algebra 1 EOC Student Report	Paper	10 and Algebra 1	<u>9</u>
ίδ	ELA School Report of Students	Online	3–10	<u>10</u>
port	Mathematics School Report of Students	Online	3–8	<u>10</u>
School Reports	Geometry and Algebra 2 EOC School Report of Students	Online	All	<u>10</u>
Sch	ELA Grade 10 and Algebra 1 EOC School Report of Students	Online	10 and Algebra 1	<u>11</u>
	ELA District Report of Schools	Online	3–10	<u>12</u>
	Mathematics District Report of Schools	Online	3–8	<u>12</u>
	Algebra 1 EOC District Report of Schools	Online	All	<u>12</u>
orts	Geometry EOC District Report of Schools	Online	All	<u>12</u>
Rep	Algebra 2 EOC District Report of Schools	Online	All	<u>12</u>
District Reports	ELA District Summary	Online	3–10	<u>13</u>
Dist	Mathematics District Summary	Online	3–8	<u>13</u>
	Algebra 1 EOC District Summary	Online	All	<u>13</u>
	Geometry EOC District Summary	Online	All	<u>13</u>
	Algebra 2 EOC District Summary	Online	All	<u>13</u>
	ELA State Report of Districts	Online	3–10	<u>14</u>
	Mathematics State Report of Districts	Online	3–8	<u>14</u>
र	Algebra 1 EOC State Report of Districts	Online	All	<u>14</u>
State Reports	Geometry EOC State Report of Districts	Online	All	<u>14</u>
	Algebra 2 EOC State Report of Districts	Online	All	<u>14</u>
Stat	ELA State Report of Schools	Online	3–10	<u>15</u>
	Mathematics State Report of Schools	Online	3–8	<u>15</u>
	Algebra 1 EOC State Report of Schools	Online	All	<u>15</u>
	Geometry EOC State Report of Schools	Online	All	<u>15</u>

Algebra 2 EOC State Report of Schools	Online	All	<u>15</u>
ELA State Summary	Online	3–10	<u>16</u>
Mathematics State Summary	Online	3–8	<u>16</u>
Algebra 1 EOC State Summary	Online	All	<u>16</u>
Geometry EOC State Summary	Online	All	<u>16</u>
Algebra 2 EOC State Summary	Online	All	<u>16</u>

# **Codes for No Data Reported**

The following abbreviations may appear on some student-level educator reports.

**NR** (Not Reported) indicates that no data are reported for the student. Reports containing student results will indicate that no data are reported for one of the following reasons:

- NR2—Did Not Meet Attemptedness Criteria
- NR3—Marked Do Not Score
- NR5—Below-Grade Tester
- NR6—Duplicate Record
- NR7—FDOE Hold
- NR8—Invalidated

If a student receives an NR code, the parent or student should consult the student's designated guidance counselor.

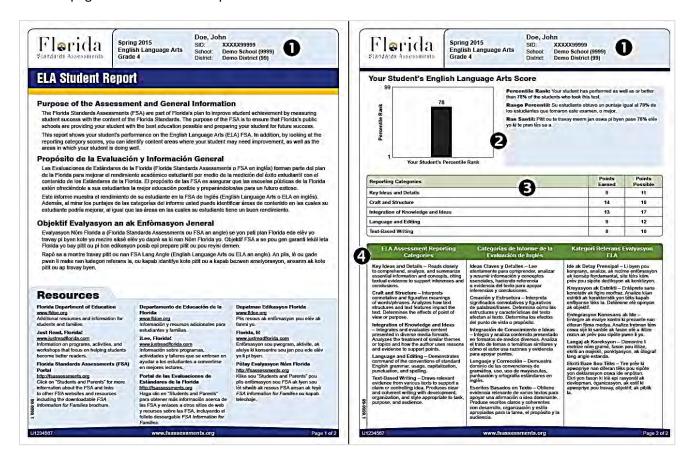
An asterisk (\*) on the reports indicates that either no data are reported because fewer than 10 students were tested or that all students passed or all students failed for Grade 10 ELA and Algebra 1. To provide meaningful results and to protect the privacy of individual students, data are reported only when the total number of students in a group is at least 10 and when the performance of individuals cannot be determined.

# **FSA ELA, Mathematics, and EOC Student Reports**

#### All Subjects and Grade Levels (except ELA Grade 10 and Algebra 1)

Readers should have their FSA ELA and Mathematics Student Report (grades 3–8), FSA ELA Student Report (grade 9), or FSA EOC Student Report (Geometry and Algebra 2) when reviewing and interpreting information provided in this section. FSA ELA Grade 10 and Algebra 1 EOC Student Reports are explained on page 9.

The FSA ELA, Mathematics, and EOC Student Report is a two-page color report. The first page provides general information about the FSA program and resources for students. The second page provides the student's 2015 FSA results, including the student's **reporting category scores**, and summary of each **reporting category**. The information on both of these pages is translated into Spanish and Haitian Creole.

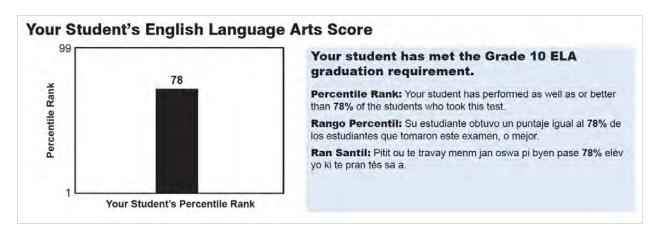


- **1 Top of Report:** The test, student, school, and district are identified on the top of pages 1 and 2 of the report. Student identification information is also provided on the top of both pages.
- **PSA Scores:** On the top section of page 2, a graph displays the student's **Percentile Rank**. Next to the graph, a statement identifies the student's Percentile Rank. This information is translated into Spanish and Haitian Creole.
- **3** Reporting Category Scores: In the middle of page 2, a table lists the FSA ELA, Mathematics, or EOC reporting categories assessed. The "Points Earned" column shows the actual number of points earned in each of the reporting categories. The number of points earned reflects the number of questions a student answered correctly. The "Points Possible" column provides the total number of points possible for each of the reporting categories. This information is not translated into Spanish and Haitian Creole.
- **4 Bottom of Report:** This section provides a summary of each reporting category assessed. This information is translated into Spanish and Haitian Creole.

# **ELA Grade 10 and Algebra 1**

Readers reviewing their FSA ELA Student Report (grade 10) or FSA EOC Student Report (Algebra 1) should refer to the section above for general descriptions of the sections included in their report.

In addition to the above interpretive information, a graduation requirement indicator is displayed next to the FSA Percentile Rank graph. A statement appears indicating whether the student met the graduation requirement.

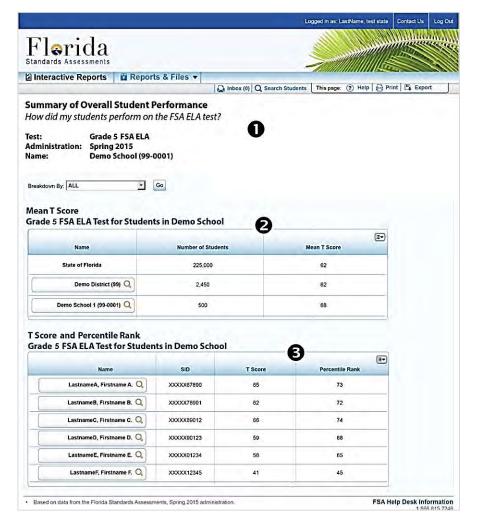


# FSA ELA, Mathematics, and EOC School Report of Students

Readers must log in to the Online Reporting System (ORS) to access and view their FSA ELA, Mathematics, or EOC School Report of Students. For more information on the School Report of Students, readers should refer to the Student Listing Report section of ORS User Guide. The ORS User Guide is available on the FSA Portal or by clicking the "Help" button in ORS. Only authorized district and school personnel may access this report in ORS, since it contains confidential student information.

# All Subjects and Grade Levels (except ELA Grade 10 and Algebra 1)

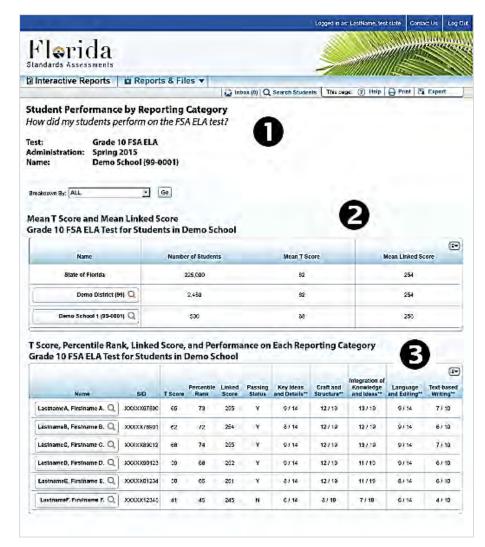
Readers should view their FSA ELA and Mathematics School Report of Students (grades 3–8), FSA ELA School Report of Students (grade 9), or FSA EOC School Report of Students (Geometry and Algebra 2) when reviewing and interpreting information provided in this section. FSA ELA Grade 10 and Algebra 1 EOC School Report of Students are explained on page 11.



- Top of Reports: The title of the report is printed here identifying the test, administration, and school name. The title of the table is also printed here identifying the scores reported in the table, test, and student name.
- **2** Middle of Reports: In the middle of the report, a table lists the mean T scores.
- **3** Bottom of Reports: This section displays the student's T score and percentile rank. Readers may also choose to view reporting categories by using the navigation tool to select Reporting Categories, which will then display in this section.

# **ELA Grade 10 and Algebra 1**

Readers should view their FSA ELA Grade 10 and Algebra 1 EOC School Report of Students when reviewing and interpreting information provided in this section.



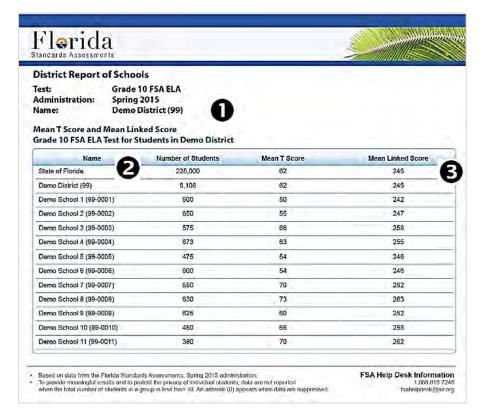
- **Top of Reports:** The title of the report is printed here identifying the test, administration, and school name.
- 2 Middle of Reports: In the middle of the report, a table lists the mean T scores and mean linked scores. The title of the table is also printed here identifying the scores reported in the table, test, and entity name.
- displays the student's T score, percentile rank, linked score, and passing status ("Y" for yes or "N" for no). Readers may also choose to view reporting categories by using the navigation tool to select Reporting Categories, which will display in this section as seen here. The title of the table is printed here identifying the scores reported in the table, test, and entity name.

# FSA ELA, Mathematics, and EOC State and District Reports of Results

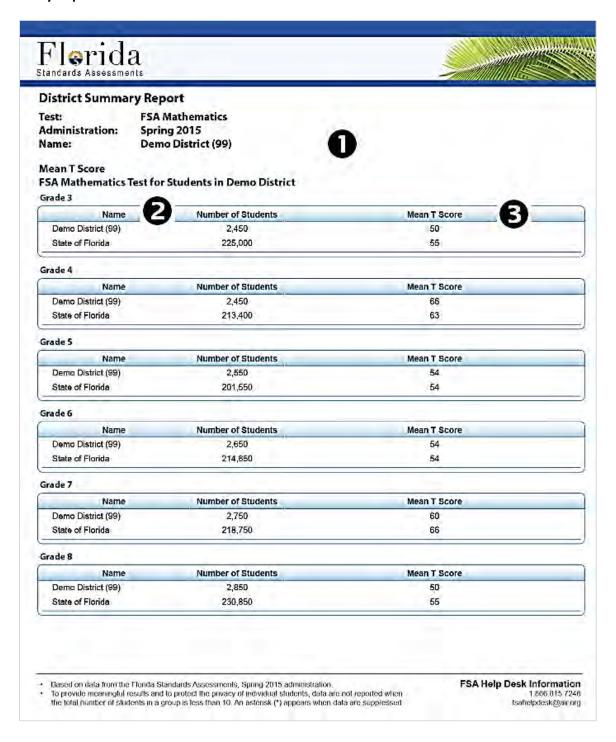
Readers should have one of the following FSA ELA, Mathematics, or EOC reports when reviewing and interpreting information provided in this section: *District Report of Schools, District Summary, State Report of Districts, State Report of Schools*, and/or *State Summary*. These reports are formatted similarly and include the following features:

- **1 Top of Reports:** The title of the report is printed here identifying the test, administration, and entity name (state or district name). The title of the table is also printed here identifying the scores reported in the table, test, and entity name (state or district name).
- **2** Left Side of Reports: Identifying information for the district or school is provided in the first column. On the *District Summary* and *State Summary*, the grade level for the data is provided in this column as well. The number of students tested appears in the second column of all reports. The Mean **T Score** is provided in the third column. The "Mean Linked Score" column only appears on the FSA Grade 10 ELA and Algebra 1 EOC reports and indicates the mean score linked to the FCAT 2.0 or EOC score scale.
- The Mean **T Score** is provided in the third column. The "Mean **Linked Score**" column only appears on the FSA Grade 10 ELA and Algebra 1 EOC reports and indicates the **mean** score linked to the FCAT 2.0 or EOC score scale.

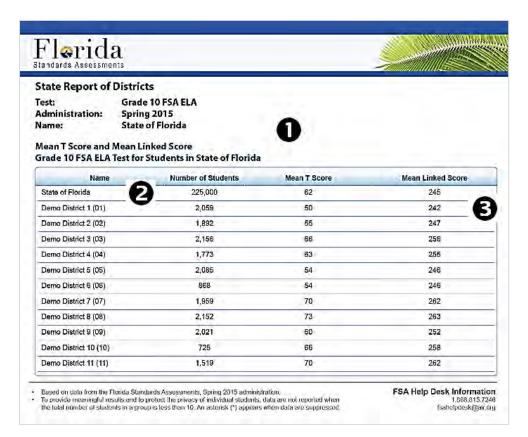
#### **District Report of Schools**



#### **District Summary Report**



# **State Report of Districts**



# **State Report of Schools**

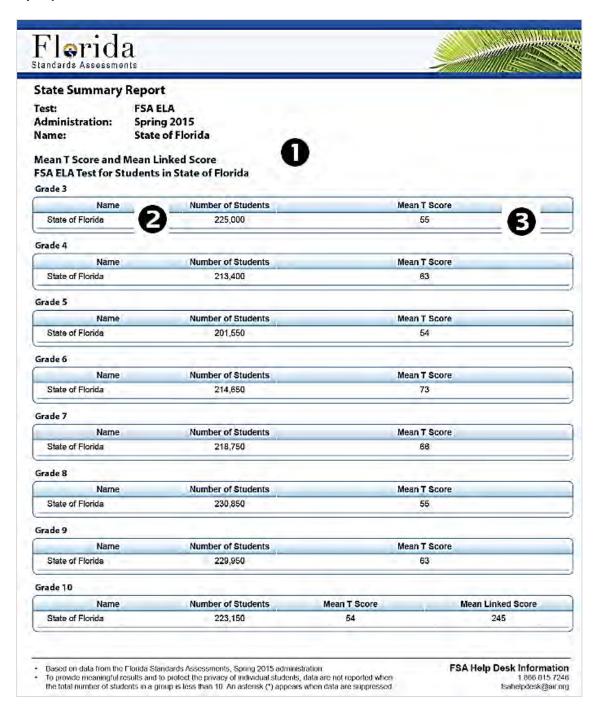


Mean T Score and Mean Linked Score Grade 10 FSA ELA Test for Students in State of Florida

Name	Number of Students	Mean T Score	Mean Linked Score
State of Florida	225,000	62	245
Dema District 1 (01)	2,059	50	242
Demo School 1 (01-0001)	450	50	242
Demo School 2 (01-0002)	492	55	247
Demo School 3 (01-0003)	456	66	258
Dema School 4 (01-0004)	373	63	255
Dema School 5 (01-0005)	288	54	246
Demo District 2 (02)	1,892	55	246
Demo School 1 (02-0001)	659	50	262
Demo School 2 (02-0002)	692	55	263
Demo School 3 (02-0003)	541	66	252

FSA Help Desk Information 1.866.815.7246 fsahelpdesk@air.org

Based on data from the Florica Standards Assessments, Spring 2015 administration. To provide meaningful results and to protect the privacy of individual students, data are not reported when the total number of students in a group is less than 10. An asterisk (\*) appears when data are suppressed.



# **FSA Reporting Categories**

The content of each FSA ELA, Mathematics, and EOC assessment is organized by **reporting categories** that are used for test design, scoring, and reporting purposes. Reporting categories group the assessed student knowledge and skills into broad content areas. Definitions for each reporting category are provided below for each of the FSA assessments.

# **FSA ELA Reporting Categories**

FSA ELA measures student achievement of the new Florida Standards in English Language Arts. For all grade levels tested, FSA ELA assesses what students know and are able to do in the broad reporting categories listed below. The difficulty of the concepts assessed on FSA ELA progresses systematically from grade to grade, as does the complexity of the text presented to the student at each grade level.

#### Grade 3

#### Key Ideas and Details

Students read closely to comprehend, analyze, and summarize essential information and concepts, referencing evidence from the text to support inferences and conclusions.

#### • Craft Structure

Students interpret literal and nonliteral meanings of words/phrases. They determine how text structures and text features impact meaning. They distinguish personal point of view from that of the narrator or author.

# Integration of Knowledge and Ideas

Students integrate and analyze content presented in diverse media formats. They analyze treatment of similar themes or topics.

# Language and Editing

Students demonstrate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling.

#### Grades 4 & 5

# • Key Ideas and Details

Students read closely to comprehend, analyze, and summarize essential information and concepts, citing textual evidence to support inferences and conclusions.

#### • Craft and Structure

Students interpret connotative and figurative meanings of words/phrases. They analyze how text structures and text features impact the text. They determine the effects of point of view or purpose.

#### • Integration of Knowledge and Ideas

Students integrate and evaluate content presented in diverse media formats. They analyze the treatment of similar themes or topics and how the author uses reasons and evidence to support points.

# Language and Editing

Students demonstrate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling.

# Text-Based Writing

Students draw relevant evidence from various texts to support a claim or controlling idea. They produce clear and coherent writing with development, organization, and style appropriate to task, purpose, and audience.

#### Grades 6-10

#### Key Ideas and Details

Students read closely to understand information. They cite textual evidence to support inferences/conclusions. They analyze development and interaction of central ideas, themes, individuals, events, or ideas. They summarize key concepts.

#### • Craft and Structure

Students interpret connotative and figurative meanings of words/phrases. They analyze how word choice affects meaning/ tone and how text structures impact the text. They determine the effects of point of view or purpose.

#### • Integration of Knowledge and Ideas

Students integrate and evaluate content presented in diverse media formats. They evaluate arguments for claims, validity, relevance, and sufficient evidence. They analyze treatment of similar themes or topics.

### Language and Editing

Students demonstrate command of the conventions of standard English grammar, usage, capitalization, punctuation, and spelling.

### Text-Based Writing

Students draw relevant evidence from various texts to support a claim or controlling idea. They produce clear and coherent writing with development, organization, and style appropriate to task, purpose, and audience.

# **FSA Mathematics Reporting Categories**

FSA Mathematics measures student achievement of the new Florida Standards in Mathematics. For all grade levels tested, FSA Mathematics assesses what students know and are able to do in the broad reporting categories listed below. The difficulty of the concepts assessed on FSA Mathematics progresses systematically from grade to grade, as does the complexity of the numerals and mathematical operations included at each grade level.

#### **Grade 3**

#### Operations, Algebraic Thinking, and Numbers in Base Ten

Students represent and solve problems involving multiplication and division. They understand properties of multiplication and the relationship between multiplication and division. They multiply and divide within 100. They solve problems involving the four operations, and identify and explain patterns in arithmetic. They use place value understanding and properties of operations to perform multi-digit arithmetic.

#### • Numbers and Operations—Fractions

Students develop understanding of fractions as numbers.

#### • Measurement, Data, and Geometry

Students solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects. They represent and interpret data. They understand concepts of area and relate area to multiplication and addition. They recognize perimeter as an attribute of plane figures and distinguish between linear and area measures. They reason with shapes and their attributes.

#### Grade 4

#### Operations and Algebraic Thinking

Students use the four operations with whole numbers to solve problems. They gain familiarity with factors and multiples. They generate and analyze patterns.

#### • Numbers and Operations in Base Ten

Students generalize place value understanding for multi-digit whole numbers. They use place value understanding and properties of operations to perform multi-digit arithmetic.

# • Numbers and Operations—Fractions

Students extend understanding of fraction equivalence and ordering. They build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers. They understand decimal notation for fractions, and compare decimal fractions.

#### Measurement, Data, and Geometry

Students solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit. They represent and interpret data. They understand concepts of angle and measure angles. They draw and identify lines and angles, and classify shapes by properties of their lines and angles.

#### Grade 5

### • Operations, Algebraic Thinking, and Fractions

Students write and interpret numerical expressions. They analyze patterns and relationships. They use equivalent fractions as a strategy to add and subtract fractions. They apply and extend previous understandings of multiplication and division to multiply and divide fractions.

# • Numbers and Operations in Base Ten

Students understand the place value system. They perform operations with multi-digit whole numbers and decimals to hundredths.

#### Measurement, Data, and Geometry

Students convert like measurement units within a given measurement system. They represent and interpret data. They understand concepts of volume and relate volume to multiplication and addition. They graph points on the coordinate plane to solve real-world and mathematical problems. They classify two-dimensional figures into categories based on their properties.

#### Grade 6

#### • Ratio and Proportional Relationships

Students understand ratio concepts and use ratio reasoning to solve problems.

#### • Expressions and Equations

Students apply and extend previous understandings of arithmetic to algebraic expressions. They reason about and solve one-variable equations and inequalities. They represent and analyze quantitative relationships between dependent and independent variables.

# Geometry

Students solve real-world and mathematical problems involving area, surface area, and volume.

#### Statistics and Probability

Students develop understanding of statistical variability. They summarize and describe distributions.

#### • The Number System

Students apply and extend previous understandings of multiplication and division to divide fractions by fractions. They compute fluently with multi-digit numbers and find common factors and multiples. They apply and extend previous understandings of numbers to the system of rational numbers.

# **Grade 7**

#### Ratio and Proportional Relationships

Students analyze proportional relationships and use them to solve real-world and mathematical problems.

#### • Expressions and Equations

Students use properties of operations to generate equivalent expressions. They solve real-life and mathematical problems using numerical and algebraic expressions and equations.

#### Geometry

Students draw, construct, and describe geometrical figures and describe the relationships between them. They solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

#### Statistics and Probability

Students use random sampling to draw inferences about a population. They draw informal comparative inferences about two populations. They investigate chance processes and develop, use, and evaluate probability models.

#### • The Number System

Students apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

#### Grade 8

#### Expressions and Equations

Students work with radicals and integer exponents. They understand the connections between proportional relationships, lines, and linear equations.

#### Functions

Students define, evaluate, and compare functions. They use functions to model relationships between quantities.

# Geometry

Students understand congruence and similarity using physical models, transparencies, or geometry software. They understand and apply the Pythagorean Theorem. They solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.

# • Statistics and Probability and the Number System

Students investigate patterns of association in bivariate data. They know that there are numbers that are not rational, and approximate them by rational numbers.

#### **FSA EOC Reporting Categories**

The content of the Florida EOC Assessments is organized by reporting categories that are used for test design, scoring, and reporting purposes. Reporting categories group the assessed student knowledge and skills into broad content areas. Definitions for each reporting category are provided below for each of the 2015 EOC assessments.

## Algebra 1

#### Algebra and Modeling

Students perform operations on polynomials. They understand the relationship between zeros and factors of polynomials. They use mathematical structure of expressions. They create and solve equations and inequalities. They reasons with equations and inequalities. They choose and use appropriate mathematics to model situations.

#### Functions and Modeling

Students understand the concept of a function. They interpret functions and key features in a context. They analyze and graph functions. They build a function that models a relationship. They construct linear, quadratic, and exponential functions. They solve problems using functions.

#### • Statistics and the Number System

Students extend the properties of exponents to rational exponents. They use properties of rational and irrational numbers. They summarize, represent, and interpret data for one- and two-variable data. They interpret linear models.

#### Geometry

# Congruence, Similarity, Right Triangles, and Trigonometry

Students understand congruence and similarity in terms of transformations. They prove and use geometric theorems. They demonstrate geometric constructions. They define trigonometric ratios. They solve problems involving right triangles. They use congruence and similarity criteria for triangles.

#### • Circles, Geometric Measurement, and Geometric Properties with Equations

Students prove and apply theorems about circles. They find arc lengths and areas of sectors. They derive the equation of a circle. They use coordinates to prove theorems and to solve problems algebraically. They explain and use volume formulas.

# Modeling with Geometry

Students apply geometric concepts in modeling situations.

# Algebra 2

### Algebra and Modeling

Students perform operations on polynomials. They prove polynomial identities. They understand the relationship between zeros and factors of polynomials. They use mathematical structure of expressions. They create and solve equations. They reason with equations and inequalities. They use appropriate mathematics to model situations.

### Functions and Modeling

Students write arithmetic and geometric sequences. They interpret functions and key features in a context. They analyze and graph functions. They build a function that models a relationship. They solve problems using functions. They apply right triangle trigonometry to the unit circle.

#### • Statistics, Probability, and the Number System

Students perform operations with complex numbers. They extend the properties of exponents to rational exponents. They model and analyze situations using statistics. They understand conditional probability. They use rules of probability.

# **Glossary**

Note: Terms defined in this glossary that have been cross-referenced appear in **bold text** the first time they are referenced in a definition other than their own.

**CBT Tools**—Tools available to students in the **computer-based testing** platform. CBT tools vary slightly depending on the **subject area**. Readers should refer to the *Test Administration User Guide* for a list of FSA CBT tools provided on all computer-based tests.

Computer-Based Testing—Many Florida statewide assessments are now being administered using a computer-based format. In 2015, the FSA Grades 8–10 ELA Writing, Grades 5–10 ELA Reading, Grades 5–8 Mathematics, Algebra 1 EOC, Geometry EOC, and Algebra 2 EOC were given in a computer-based format, with paper-based accommodations offered for eligible students. When taking the test on the computer, students make their answer choices using the mouse or keyboard, and they may use various CBT tools, such as the strikethrough tool or the highlighter tool, as they work. Once they have completed the test, they submit their answers electronically. Before exiting the assessment and submitting their responses, students are taken to a screen that identifies questions that are answered, unanswered, and marked for review.

**Equipercentile Linking Method**—For the first year administered, **FSA Scores** for ELA Grade 10 and Algebra 1 EOC were linked to the existing FCAT 2.0 and EOC **score scale** through the equipercentile linking method.

Items—Test questions that students are required to answer.

**Linked Score**—The Linked Scores reported for ELA Grade 10 and Algebra 1 EOC are FSA scores linked to the existing FCAT 2.0 and EOC score scale through the equipercentile linking method.

**Mean**—An average of the individual scores that describes the performance of a group of students. The mean is computed by finding the sum of all scores and dividing by the number of students.

**Percentile Rank**—The percentile rank is the percentage of scores that fall at or below a given score.

Points Earned—See Reporting Category Scores.

**Points Possible**—The number of "Points Possible" is the total number of test questions for a **reporting category** on a test. The number of questions in each reporting category on the test equals the number of points possible. The number of points possible in a reporting category may change slightly each year.

**Reporting Category**—Broad content areas into which the assessed student knowledge and skills are grouped.

**Reporting Category Scores**—The actual number of questions answered correctly within each reporting category of an assessment. Reporting category scores are also referred to as raw scores.

**Linked Score Scale**—The score range used for reporting what a student's equivalent or linked score would be if he/she had taken the FCAT. The linked score scale is only for FSA ELA Grades 3 and 10 and Algebra 1.

Standard Deviation—The amount of average variation, or dispersion, from the mean.

**State Mean**—The average score for each grade used for comparison purposes. Individual student scores, school mean scores, or district mean scores can be compared to the state mean.

**Subject Area**—The information or skills contained in an area of study. The subject areas assessed in the 2015 FSA are ELA and Mathematics.

**T Score**—The score that students receive the first year the FSA assessment is administered. T scores are reported using a norm-referenced score scale known as a T score scale.

T Score Scale—A scale of 20–80 in which the mean is a score of 50 and the standard deviation is 10.