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2013 FCAT 2.0 Mathematics Next Generation Sunshine State Standards (NGSSS) Grade 3		
NGSSS Benchmark	Content Focus	Number of Points Possible
Reporting Category 1. Number: Operations, Problems, and Statistics		
MA.3.A.1.1	Array; Combinations; Repeated addition	3
MA.3.A.1.2	Applying number properties; Commutative property; Zero property	3
MA.3.A.1.3	Checking solutions; Multiplicative inverse	2
MA.3.A.4.1	Graphic patterns; Numeric patterns	2
MA.3.A.6.1	Adding/subtracting whole numbers; Comparing and ordering whole numbers; Representing whole numbers	3
MA.3.A.6.2	Lists; Nonroutine problems; Tables/charts	3
MA.3.S.7.1	Bar graphs; Frequency tables; Line plots; Pictographs	5
Reporting Category Point Total		21
Reporting Category 2. Number: Fractions		
MA.3.A.2.1	Representing fractions; Representing mixed numbers	3
MA.3.A.2.3	Comparing fractions; Comparing mixed numbers; Ordering fractions	4
MA.3.A.2.4	Equivalent fractions	3
Reporting Category Point Total		10
Reporting Category 3. Geometry and Measurement		
MA.3.G.3.1	Attributes of polygons; Classifying polygons	2
MA.3.G.3.2	Composing polygons; Decomposing polygons	3
MA.3.G.3.3	Congruency; Symmetry	2
MA.3.G.5.1	Calculating perimeter; Measuring perimeter	2
MA.3.G.5.2	Customary measurement; Metric measurement	2
MA.3.G.5.3	Elapsed time; Time	2
Reporting Category Point Total		13

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2013 FCAT 2.0 Mathematics Next Generation Sunshine State Standards (NGSSS) Grade 4		
NGSSS Benchmark	Content Focus	Number of Points Possible
Reporting Category 1. Number: Operations and Problems		
MA.4.A.1.2	Division facts; Multi-digit multiplication; Partial products	4
MA.4.A.4.1	Graphic patterns; Identifying an algebraic rule	2
MA.4.A.4.2	Identifying an expression; Relations/functions	2
MA.4.A.4.3	Translating expressions	2
MA.4.A.6.1	Adding/subtracting whole numbers; Comparing and ordering whole numbers	2
MA.4.A.6.2	Modeling division; Partitioning	2
MA.4.A.6.4	Identifying factors; Identifying multiples	2
MA.4.A.6.6	Estimating ranges of numbers; Estimating sums/differences	2
Reporting Category Point Total		18
Reporting Category 2. Number: Base Ten and Fractions		
MA.4.A.2.3	Converting decimals to fractions; Converting fractions to decimals; Place value of decimals	3
MA.4.A.2.4	Comparing and ordering fractions; Comparing and ordering fractions and decimals; Estimating using benchmark fractions	3
MA.4.A.6.3	Equivalent fractions; Simplifying fractions	2
MA.4.A.6.5	Converting fractions to percents; Converting percents to fractions	2
Reporting Category Point Total		10
Reporting Category 3. Geometry and Measurement		
MA.4.G.3.1	Area on a grid; Estimating area on a grid	2
MA.4.G.3.2	Justifying area formula	2
MA.4.G.3.3	Calculating area; Measuring area	2
MA.4.G.5.1	Classifying angles; Identifying benchmark angles	2
MA.4.G.5.2	Rotations; Translations	2
MA.4.G.5.3	Identifying a three-dimensional figure; Identifying a two-dimensional representation	2
Reporting Category Point Total		12

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2013 FCAT 2.0 Mathematics Next Generation Sunshine State Standards (NGSSS) Grade 5		
NGSSS Benchmark	Content Focus	Number of Points Possible
Reporting Category 1. Number: Base Ten and Fractions		
MA.5.A.1.1	Division model; Place value; Relationship to multiplication	3
MA.5.A.1.4	Division estimate; Division problem solving; Interpreting division solutions	5
MA.5.A.2.1	Decimal subtraction model	1
MA.5.A.2.2	Decimal combination of operations; Decimal estimates; Fraction/mixed number combination of operations; Mixed number addition	4
MA.5.A.2.4	Factor trees; Prime factorization w/exponents	2
MA.5.A.6.3	Integers	2
MA.5.A.6.4	Graphing integers; Ordering integers	2
MA.5.A.6.5	Guess, check, and revise; Patterns/relationships; Tables/charts/lists	3
Reporting Category Point Total		22
Reporting Category 2. Expressions, Equations, and Statistics		
MA.5.A.4.1	Properties of equality; Solving one-variable equations; Solving two-variable equations	3
MA.5.A.6.2	Exponents; Order of operations	2
MA.5.S.7.1	Analyzing double bar graphs; Analyzing line graphs; Creating line graphs	3
MA.5.S.7.2	Continuous data; Venn diagrams	2
Reporting Category Point Total		10
Reporting Category 3. Geometry and Measurement		
MA.5.G.3.1	Faces/edges/vertices of prisms; Nets	3
MA.5.G.3.2	Prism surface area; Prism volume	3
MA.5.G.5.1	Coordinate movement; Identifying coordinates	2
MA.5.G.5.2	Converting weight; Elapsed time	2
MA.5.G.5.3	Appropriate units; Precision of measurement	2
MA.5.G.5.4	Trapezoid area	2
Reporting Category Point Total		14

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2013 FCAT 2.0 Mathematics Next Generation Sunshine State Standards (NGSSS) Grade 6		
NGSSS Benchmark	Content Focus	Number of Points Possible
Reporting Category 1. Fractions, Ratios/Proportional Relationships, and Statistics		
MA.6.A.1.1	Decimal multiplication; Fraction multiplication	2
MA.6.A.1.3	Decimal combination of operations; Decimal multiplication	3
MA.6.A.2.1	Rate; Solving rate by multiplication	2
MA.6.A.2.2	Comparing rates; Solving rates	2
MA.6.A.5.1	Fractions/decimals; Fractions/percents	2
MA.6.A.5.2	Comparing numbers	1
MA.6.A.5.3	Fraction/percent estimate	1
MA.6.S.6.1	Median; Mode; Range	3
MA.6.S.6.2	Finding data given median; Measures of central tendency comparison	2
Reporting Category Point Total		18
Reporting Category 2. Expressions and Equations		
MA.6.A.3.1	Evaluating two-variable expressions; Identifying situations; Translating expressions; Working backwards	6
MA.6.A.3.2	Graphing equations; Graphing inequalities; Solving equations; Solving inequalities; Translating equations; Translating inequalities	6
MA.6.A.3.5	Commutative property; Equivalent expressions	2
MA.6.A.3.6	Analyzing tables; Identifying tables; Rate of change	3
Reporting Category Point Total		17
Reporting Category 3. Geometry and Measurement		
MA.6.G.4.1	Circle area; Circumference; Diameter/radius	3
MA.6.G.4.2	Composite circle area; Composite figure area	3
MA.6.G.4.3	Missing dimension rectangle area; Missing dimension trapezoid area; Missing dimension volume	3
Reporting Category Point Total		9

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2013 FCAT 2.0 Mathematics Next Generation Sunshine State Standards (NGSSS) Grade 7		
NGSSS Benchmark	Content Focus	Number of Points Possible
Reporting Category 1. Number: Base Ten		
MA.7.A.3.1	Absolute value; Effects of operations	2
MA.7.A.3.2	Decimal computation; Fractional computation	2
MA.7.A.3.3	Two-step equations; Working backwards	3
MA.7.A.3.4	Commutative property; Equivalent equations	2
MA.7.A.5.1	Repeating decimals; Terminating decimals	2
Reporting Category Point Total		11
Reporting Category 2. Ratios/Proportional Relationships		
MA.7.A.1.1	Proportional relationships; Solving proportions	2
MA.7.A.1.2	Percent increase; Solving percent	2
MA.7.A.1.3	Similar figures	2
MA.7.A.1.4	Interpreting slope; Rate of change	2
MA.7.A.1.5	Direct variation; Inverse variation	2
MA.7.A.1.6	Scale; Scale drawing	2
Reporting Category Point Total		12
Reporting Category 3. Geometry and Measurement		
MA.7.G.2.1	Surface area cylinder; Volume cone/cylinder; Volume prism/pyramid	3
MA.7.G.2.2	Volume of composite shapes; Volume of decomposed shapes	2
MA.7.G.4.1	Change in circumference; Change in perimeter	2
MA.7.G.4.2	Reflections; Translations	2
MA.7.G.4.3	Coordinate identification; Coordinates/geometric properties	2
MA.7.G.4.4	Converting capacity; Converting metric units	2
Reporting Category Point Total		13
Reporting Category 4. Statistics and Probability		
MA.7.P.7.1	Likelihood of an event	2
MA.7.P.7.2	Dependent events; Theoretical probability	2
MA.7.S.6.1	Reasonableness of a sample	1
MA.7.S.6.2	Circle graphs; Stem-and-leaf plots	3
Reporting Category Point Total		8

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2013 FCAT 2.0 Mathematics Next Generation Sunshine State Standards (NGSSS) Grade 8		
NGSSS Benchmark	Content Focus	Number of Points Possible
Reporting Category 1. Number: Operations, Problems, and Statistics		
MA.8.A.6.1	Scientific notation	3
MA.8.A.6.2	Square root	1
MA.8.A.6.4	Effects of operations on real numbers; Operations on scientific notation	2
MA.8.S.3.1	Circle graphs; Histograms; Select appropriate data display	3
MA.8.S.3.2	Interpretation of data; Mean; Median	3
Reporting Category Point Total		12
Reporting Category 2. Expressions, Equations, and Functions		
MA.8.A.1.1	Creating tables from graphs; Domain and/or range; Interpreting tables/graphs	3
MA.8.A.1.2	Interpreting slope; Interpreting y-intercept	4
MA.8.A.1.3	System of equations	3
MA.8.A.1.5	Graphs/linear functions; Verbal/linear functions	2
MA.8.A.1.6	Functions; Interpreting relations	2
MA.8.A.4.1	Literal equations	2
MA.8.A.4.2	One-variable inequalities; Solving inequalities	3
Reporting Category Point Total		19
Reporting Category 3. Geometry and Measurement		
MA.8.G.2.1	Similar triangles; Similarity	4
MA.8.G.2.2	Complementary angles; Determining angle measures; Parallel lines cut by a transversal; Supplementary angles	4
MA.8.G.2.3	Angle relationships; Sum of angles in polygons	3
MA.8.G.2.4	Pythagorean theorem	3
MA.8.G.5.1	Converting between systems; Converting rates; Converting temperature	3
Reporting Category Point Total		17

What is content focus?

"Content focus" is a term that defines the specific content measured by each 2013 FCAT 2.0 test item.

The Next Generation Sunshine State Standards (NGSSS) benchmarks and content foci assessed on the 2013 FCAT 2.0 assessment are not predictive of future FCAT 2.0 content.

What cautions should be considered when using Content Focus Reports?

Content Focus Reports should not be used to make decisions about instruction at the individual student level. Some reporting categories have too few test items to report reliable or meaningful scores at the student level. While well-intended, providing remedial instruction in a specific reporting category may not be justified and may be an inefficient use of instructional time. Content focus data should not be used as sole indicators to determine remedial needs of students.

When interpreting content focus data, the following cautions and information should also be considered:

- The number of items in a reporting category may vary from one year to another. Consequently, users should not compare performance data such as mean percent correct.
- The number of items in a reporting category will vary by grade level. Consequently, users should not compare content area scores across grade levels.
- The difficulty of the items measuring each benchmark will vary from one year to the next. Consequently, users should not compare content area scores across years.
- The analysis is based on state-level data that are not intended to provide specific classroom, school, or district interpretations.
- Scale score values cannot accurately be determined using Content Focus Reports for a number of reasons. For instance, test scores are generated from students' performance on the entirety of the test, which accounts for the difficulty (also called cognitive complexity) of test items.

How may content area scores be used?

Guidance on how content area scores may be used by schools and districts is provided on pages 7-8 of [Understanding FCAT 2.0 Assessment Reports, Spring 2013](#) (PDF).