FLORIDA DEPARTMENT OF **EDUCATION**
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FCAT 2.0
Florida Comprehensive Assessment Test®

Note: There are limitations in the use of these reports. To understand their use, please read "What cautions should be considered when using Content Focus Reports?" provided on page 7 of this report.

NGSSS Benchmark	Content Focus	Number of Points Possible
2014 FCAT 2.0 Mathematics Next Generation Sunshine State Standards (NGSSS) Grade 3		
Reporting Category 1. Number: Operations, Problems, and Statistics		
MA.3.A.1.1	Array; Rate model; Repeated addition	3
MA.3.A.1.2	Applying number properties; Associative property; Identity 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	Estimating sums/differences; Place value of whole numbers; Representing whole numbers	3
MA.3.A.6.2	Lists; Nonroutine problems; Patterns	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; Ordering fractions; Ordering mixed numbers	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; Naming polygons	3
MA.3.G.3.2	Composing polygons; Decomposing polygons	2
MA.3.G.3.3	Congruency; Reflections	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**

2014 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	Multi-digit multiplication; Multiplication facts; Partial products	4
MA.4.A.4.1	Graphic patterns; Numeric patterns	2
MA.4.A.4.2	Relations/functions; Translating equations	2
MA.4.A.4.3	Translating expressions	2
MA.4.A.6.1	Place value of whole numbers; Whole number combination of operations	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 products; 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	3
MA.4.A.2.4	Comparing and ordering decimals; Estimating fraction/decimal amounts	3
MA.4.A.6.3	Equivalent fractions; Simplifying fractions	2
MA.4.A.6.5	Converting percents to decimals; 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	Reflections; Rotations	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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2014 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 algorithm; Division model; Relationship to multiplication	3
MA.5.A.1.4	Division estimate; Interpreting division solutions; One-digit divisors; Two-digit divisors	5
MA.5.A.2.1	Decimal addition place value; Fraction addition model	2
MA.5.A.2.2	Decimal subtraction; Fraction/mixed number estimates; Mixed number addition	3
MA.5.A.2.4	Factor trees; Prime factorization w/exponents	2
MA.5.A.6.3	Integers	2
MA.5.A.6.4	Comparing integers; Graphing integers	2
MA.5.A.6.5	Guess, check, and revise; Patterns/relationships	3
Reporting Category Point Total		**22**
Reporting Category 2. Expressions, Equations, and Statistics		
MA.5.A.4.1	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; Discrete data	2
Reporting Category Point Total		**10**
Reporting Category 3. Geometry and Measurement		
MA.5.G.3.1	Faces/edges/vertices of prisms and pyramids; Faces/edges/vertices of pyramids; Nets	3
MA.5.G.3.2	Prism surface area; Prism volume	3
MA.5.G.5.1	Identifying coordinates; Identifying points	2
MA.5.G.5.2	Converting time; Converting weight	2
MA.5.G.5.3	Precision of measurement	2
MA.5.G.5.4	Trapezoid area; Triangle area	2
Reporting Category Point Total		**14**

2014 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 combination of operations; Decimal multiplication	2
MA.6.A.1.3	Decimal combination of operations; Decimal division; Decimal multiplication	3
MA.6.A.2.1	Rate; Solving rate by division	2
MA.6.A.2.2	Translating rates; Translating ratios	2
MA.6.A.5.1	Fractions/decimals; Fractions/percents	2
MA.6.A.5.2	Comparing decimals	1
MA.6.A.5.3	Decimal estimate	1
MA.6.S.6.1	Median; Mode; Range	3
MA.6.S.6.2	Finding data given mode; Understanding mean	2
Reporting Category Point Total		**18**
Reporting Category 2. Expressions and Equations		
MA.6.A.3.1	Evaluating one-variable expressions; Evaluating two-variable expressions; Identifying situations; Translating expressions; Working backwards	6
MA.6.A.3.2	Graphing inequalities; Solving equations; Solving inequalities; Translating equations; Translating inequalities	6
MA.6.A.3.5	Equivalent expressions; Identity	2
MA.6.A.3.6	Analyzing tables; Identifying equations; Linear functions	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 figure area	3
MA.6.G.4.3	Missing dimension parallelogram area; Missing dimension volume; Volume	3
Reporting Category Point Total		**9**

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2014 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	Exponential operations; Fractional computation	2
MA.7.A.3.3	One-step equations; Solving equations; Two-step equations	3
MA.7.A.3.4	Associative property; Commutative property	2
MA.7.A.5.1	Repeating 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	Simple interest; Solving percent	2
MA.7.A.1.3	Similar figures; Similarity	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 drawing	2
Reporting Category Point Total		**12**
Reporting Category 3. Geometry and Measurement		
MA.7.G.2.1	Surface area prism/pyramid; Volume cone/cylinder; Volume prism/pyramid	3
MA.7.G.2.2	Volume of composite shapes	2
MA.7.G.4.1	Change in area; Change in perimeter	2
MA.7.G.4.2	Rotations; Translations	2
MA.7.G.4.3	Coordinate identification; Coordinates/geometric properties	2
MA.7.G.4.4	Converting metric units; Converting weight/mass	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	Theoretical probability	2
MA.7.S.6.1	Interpretation of data	1
MA.7.S.6.2	Circle graphs; Histograms; Stem-and-leaf plots	3
Reporting Category Point Total		**8**

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NGSSS Benchmark	Content Focus	Number of Points Possible
2014 FCAT 2.0 Mathematics **Next Generation Sunshine State Standards (NGSSS)** **Grade 8**		
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; Order of operations	2
MA.8.S.3.1	Box-and-whisker plots; Circle graphs; Select appropriate data display	3
MA.8.S.3.2	Effects on measures of central tendency; Interpretation of data; Mean	3
Reporting Category Point Total		**12**
Reporting Category 2. Expressions, Equations, and Functions		
MA.8.A.1.1	Discrete/continuous data; Interpreting models; Interpreting tables/graphs	3
MA.8.A.1.2	Creating graphs; Interpreting slope; Interpreting *y*-intercept	4
MA.8.A.1.3	Coordinate identifying; System of equations	3
MA.8.A.1.5	Graphs/linear functions	2
MA.8.A.1.6	Functions; Graphs of nonlinear functions	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	Determining angle measures; Parallel lines cut by a transversal; Supplementary angles	4
MA.8.G.2.3	Sum of angles in polygons; Sum of angles in triangle	3
MA.8.G.2.4	Pythagorean theorem	3
MA.8.G.5.1	Converting between systems; Converting capacity; 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 2014 FCAT 2.0 test item.

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 2014* (PDF).