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<b>2012 FCAT 2.0 Mathematics Grade 3</b>		
<b>NGSSS Benchmark</b>	<b>Content Focus</b>	<b>Number of Points Possible</b>
<b>Reporting Category 1. Number: Operations, Problems, and Statistics</b>		
MA.3.A.1.1	Combinations; Rate model; Repeated addition	3
MA.3.A.1.2	Commutative property; Identity property; Zero property	3
MA.3.A.1.3	Checking solutions	2
MA.3.A.4.1	Numeric patterns; Relations/functions	2
MA.3.A.6.1	Adding/subtracting whole numbers; Estimating sums/differences; Place value of whole numbers	3
MA.3.A.6.2	Lists; Nonroutine problems	3
MA.3.S.7.1	Bar graphs; Frequency tables; Pictographs	5
<b>Reporting Category Point Total</b>		<b>21</b>
<b>Reporting Category 2. Number: Fractions</b>		
MA.3.A.2.1	Representing fractions; Representing mixed numbers	3
MA.3.A.2.3	Comparing fractions; Comparing mixed numbers; Ordering fractions; Ordering mixed numbers	4
MA.3.A.2.4	Equivalent fractions	3
<b>Reporting Category Point Total</b>		<b>10</b>
<b>Reporting Category 3. Geometry and Measurement</b>		
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
<b>Reporting Category Point Total</b>		<b>13</b>

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<b>2012 FCAT 2.0 Mathematics Grade 4</b>		
<b>NGSSS Benchmark</b>	<b>Content Focus</b>	<b>Number of Points Possible</b>
<b>Reporting Category 1. Number: Operations and Problems</b>		
MA.4.A.1.2	Division facts; 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	Adding/subtracting whole numbers; Comparing and ordering whole numbers	2
MA.4.A.6.2	Modeling division; Successive subtraction	2
MA.4.A.6.4	Identifying factors; Identifying multiples	2
MA.4.A.6.6	Estimating ranges of numbers; Estimating sums/differences	2
<b>Reporting Category Point Total</b>		<b>18</b>
<b>Reporting Category 2. Number: Base Ten and Fractions</b>		
MA.4.A.2.3	Converting decimals to fractions; Converting fractions to decimals	3
MA.4.A.2.4	Comparing and ordering fractions; Comparing and ordering fractions and decimals; Estimating fraction/decimal amounts	3
MA.4.A.6.3	Equivalent fractions; Simplifying fractions	2
MA.4.A.6.5	Converting fractions to percents; Converting percents to decimals	2
<b>Reporting Category Point Total</b>		<b>10</b>
<b>Reporting Category 3. Geometry and Measurement</b>		
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	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
<b>Reporting Category Point Total</b>		<b>12</b>

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<b>2012 FCAT 2.0 Mathematics Grade 5</b>		
<b>NGSSS Benchmark</b>	<b>Content Focus</b>	<b>Number of Points Possible</b>
<b>Reporting Category 1. Number: Base Ten and Fractions</b>		
MA.5.A.1.1	Distributive property; Place value	3
MA.5.A.1.4	Division problem solving; Interpreting division solutions; One-digit divisors; Two-digit divisors	5
MA.5.A.2.1	Fraction subtraction model; Properties of addition w/ decimals	2
MA.5.A.2.2	Decimal subtraction; Fraction addition; Fraction subtraction	3
MA.5.A.2.4	Composite numbers; 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	Mathematical reasoning; Patterns/relationships	3
<b>Reporting Category Point Total</b>		<b>22</b>
<b>Reporting Category 2. Expressions, Equations, and Statistics</b>		
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	3
MA.5.S.7.2	Continuous data; Discrete data	2
<b>Reporting Category Point Total</b>		<b>10</b>
<b>Reporting Category 3. Geometry and Measurement</b>		
MA.5.G.3.1	Faces/edges/vertices of prisms; 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; Plotting points	2
MA.5.G.5.2	Converting customary length; Elapsed time	2
MA.5.G.5.3	Appropriate units; Precision of measurement	2
MA.5.G.5.4	Parallelogram area; Trapezoid area	2
<b>Reporting Category Point Total</b>		<b>14</b>

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<b>2012 FCAT 2.0 Mathematics Grade 6</b>		
<b>NGSSS Benchmark</b>	<b>Content Focus</b>	<b>Number of Points Possible</b>
<b>Reporting Category 1. Fractions, Ratios/Proportional Relationships, and Statistics</b>		
MA.6.A.1.1	Decimal multiplication; Fraction multiplication	2
MA.6.A.1.3	Decimal combination of operations; Fraction multiplication; Mixed number multiplication	3
MA.6.A.2.1	Rate; Solving rate by multiplication	2
MA.6.A.2.2	Comparing rates; Translating ratios	2
MA.6.A.5.1	Fractions/percents	2
MA.6.A.5.2	Comparing numbers	1
MA.6.A.5.3	Fraction estimate	1
MA.6.S.6.1	Mean; Median; Range	3
MA.6.S.6.2	Finding data given mean; Finding data given median	2
<b>Reporting Category Point Total</b>		<b>18</b>
<b>Reporting Category 2. Expressions and Equations</b>		
MA.6.A.3.1	Evaluating one-variable expressions; Identifying situations; Translating expressions; Working backwards	6
MA.6.A.3.2	Solving equations; Translating equations; Translating inequalities	6
MA.6.A.3.5	Associative property; Commutative property	2
MA.6.A.3.6	Analyzing tables; Identifying tables; Rate of change	3
<b>Reporting Category Point Total</b>		<b>17</b>
<b>Reporting Category 3. Geometry and Measurement</b>		
MA.6.G.4.1	Circle area; Circumference; Diameter/radius	3
MA.6.G.4.2	Composite figure area; Composite figure perimeter	3
MA.6.G.4.3	Missing dimension rectangle area; Missing dimension volume; Rectangle area	3
<b>Reporting Category Point Total</b>		<b>9</b>

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<b>2012 FCAT 2.0 Mathematics Grade 7</b>		
<b>NGSSS Benchmark</b>	<b>Content Focus</b>	<b>Number of Points Possible</b>
<b>Reporting Category 1. Number: Base Ten</b>		
MA.7.A.3.1	Effects of operations	2
MA.7.A.3.2	Decimal computation; Fractional computation	2
MA.7.A.3.3	One-step equations; Two-step equations	3
MA.7.A.3.4	Distributive property; Properties of equality	2
MA.7.A.5.1	Repeating decimals; Terminating decimals	2
<b>Reporting Category Point Total</b>		<b>11</b>
<b>Reporting Category 2. Ratios/Proportional Relationships</b>		
MA.7.A.1.1	Proportional relationships; Solving proportions	2
MA.7.A.1.2	Discount	2
MA.7.A.1.3	Similar figures; Similarity	2
MA.7.A.1.4	Rate of change	2
MA.7.A.1.5	Direct variation	2
MA.7.A.1.6	Scale; Scale drawing	2
<b>Reporting Category Point Total</b>		<b>12</b>
<b>Reporting Category 3. Geometry and Measurement</b>		
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; Volume of decomposed shapes	2
MA.7.G.4.1	Change in perimeter; Change in volume	2
MA.7.G.4.2	Dilations; Transformations	2
MA.7.G.4.3	Coordinate identification; Coordinates/geometric properties	2
MA.7.G.4.4	Converting capacity; Converting weight/mass	2
<b>Reporting Category Point Total</b>		<b>13</b>
<b>Reporting Category 4. Statistics and Probability</b>		
MA.7.P.7.1	Likelihood of an event	2
MA.7.P.7.2	Counting principle; 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
<b>Reporting Category Point Total</b>		<b>8</b>

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<b>2012 FCAT 2.0 Mathematics Grade 8</b>		
<b>NGSSS Benchmark</b>	<b>Content Focus</b>	<b>Number of Points Possible</b>
<b>Reporting Category 1. Number: Operations, Problems, and Statistics</b>		
MA.8.A.6.1	Scientific notation	3
MA.8.A.6.2	Radicals	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; Scatter plots	3
MA.8.S.3.2	Interpretation of data; Median	3
<b>Reporting Category Point Total</b>		<b>12</b>
<b>Reporting Category 2. Expressions, Equations, and Functions</b>		
MA.8.A.1.1	Interpreting tables/graphs	3
MA.8.A.1.2	Interpreting slope; Interpreting x-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	Graphs of nonlinear functions	2
MA.8.A.4.1	Literal equations	2
MA.8.A.4.2	One-variable inequalities; Solving inequalities	3
<b>Reporting Category Point Total</b>		<b>19</b>
<b>Reporting Category 3. Geometry and Measurement</b>		
MA.8.G.2.1	Similar triangles; Similarity	4
MA.8.G.2.2	Complementary angles; Determining angle measures; Supplementary angles	4
MA.8.G.2.3	Angle relationships; 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 capacity; Converting temperature	3
<b>Reporting Category Point Total</b>		<b>17</b>

***What is content focus?***

"Content focus" is a term that defines the specific content measured by each 2012 FCAT 2.0 test item.

**The Next Generation Sunshine State Standards (NGSSS) benchmarks and content foci assessed on the 2012 FCAT 2.0 assessment are not predictive of future FCAT 2.0 content.**

***How should use of Content Focus Reports be limited?***

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 precautions 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.