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NGSSS Benchmark	Content Focus	Number of Points Possible
2011 FCAT 2.0 Mathematics Grade 3		
Reporting Category 1. Number: Operations, Problems, and Statistics		
MA.3.A.1.1	Array; Repeated addition	3
MA.3.A.1.2	Commutative property; Identity property	3
MA.3.A.1.3	Multiplicative inverse	2
MA.3.A.4.1	Numeric patterns; Relations/functions	2
MA.3.A.6.1	Adding/subtracting whole numbers; Comparing and ordering whole numbers; Estimating sums/differences	3
MA.3.A.6.2	Nonroutine problems; Tables/charts	3
MA.3.S.7.1	Bar graphs; 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	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; Naming polygons	2
MA.3.G.3.2	Composing polygons; Decomposing polygons	2
MA.3.G.3.3	Reflections; Symmetry	3
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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<table>
<tr><td colspan="3">**2011 FCAT 2.0 Mathematics
Grade 4**</td></tr>
<tr><td>**NGSSS
Benchmark**</td><td>**Content Focus**</td><td>**Number of
Points
Possible**</td></tr>
<tr><td colspan="3">**Reporting Category 1. Number: Operations and Problems**</td></tr>
<tr><td>MA.4.A.1.2</td><td>Multi-digit multiplication; Partial products</td><td>4</td></tr>
<tr><td>MA.4.A.4.1</td><td>Graphic patterns; Numeric patterns</td><td>2</td></tr>
<tr><td>MA.4.A.4.2</td><td>Relations/functions; Translating equations</td><td>2</td></tr>
<tr><td>MA.4.A.4.3</td><td>Translating expressions</td><td>1</td></tr>
<tr><td>MA.4.A.6.1</td><td>Adding/subtracting whole numbers; Place value of whole numbers</td><td>2</td></tr>
<tr><td>MA.4.A.6.2</td><td>Modeling division; Partitioning</td><td>2</td></tr>
<tr><td>MA.4.A.6.4</td><td>Identifying factors; Identifying multiples</td><td>2</td></tr>
<tr><td>MA.4.A.6.6</td><td>Estimating products; Estimating ranges of numbers</td><td>2</td></tr>
<tr><td colspan="2">*Reporting Category Point Total*</td><td>**17**</td></tr>
<tr><td colspan="3">**Reporting Category 2. Number: Base Ten and Fractions**</td></tr>
<tr><td>MA.4.A.2.3</td><td>Converting decimals to fractions; Converting fractions to decimals; Identifying fractions</td><td>3</td></tr>
<tr><td>MA.4.A.2.4</td><td>Comparing and ordering decimals; Comparing and ordering fractions and decimals; Estimating using benchmark fractions</td><td>3</td></tr>
<tr><td>MA.4.A.6.3</td><td>Equivalent fractions; Simplifying fractions</td><td>3</td></tr>
<tr><td>MA.4.A.6.5</td><td>Converting fractions to percents; Converting percents to fractions</td><td>2</td></tr>
<tr><td colspan="2">*Reporting Category Point Total*</td><td>**11**</td></tr>
<tr><td colspan="3">**Reporting Category 3. Geometry and Measurement**</td></tr>
<tr><td>MA.4.G.3.1</td><td>Area on a grid</td><td>2</td></tr>
<tr><td>MA.4.G.3.2</td><td>Justifying area formula</td><td>2</td></tr>
<tr><td>MA.4.G.3.3</td><td>Calculating area; Measuring area</td><td>2</td></tr>
<tr><td>MA.4.G.5.1</td><td>Classifying angles; Identifying benchmark angles</td><td>2</td></tr>
<tr><td>MA.4.G.5.2</td><td>Reflections; Rotations</td><td>2</td></tr>
<tr><td>MA.4.G.5.3</td><td>Identifying a three-dimensional figure; Identifying a two-dimensional representation</td><td>2</td></tr>
<tr><td colspan="2">*Reporting Category Point Total*</td><td>**12**</td></tr>
</table>

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<table>
<tr><td colspan="3">**2011 FCAT 2.0 Mathematics
Grade 5**</td></tr>
<tr><td>**NGSSS
Benchmark**</td><td>**Content Focus**</td><td>**Number of
Points
Possible**</td></tr>
<tr><td colspan="3">**Reporting Category 1. Number: Base Ten and Fractions**</td></tr>
<tr><td>MA.5.A.1.1</td><td>Distributive property; Division algorithm; Place value</td><td>3</td></tr>
<tr><td>MA.5.A.1.4</td><td>Division estimate; One-digit divisors; Interpreting division solutions</td><td>5</td></tr>
<tr><td>MA.5.A.2.1</td><td>Decimal subtraction model; Fraction addition model</td><td>2</td></tr>
<tr><td>MA.5.A.2.2</td><td>Decimal combination of operations; Fraction addition;
Fraction/mixed number combination of operations</td><td>3</td></tr>
<tr><td>MA.5.A.2.4</td><td>Composite numbers; Prime numbers</td><td>2</td></tr>
<tr><td>MA.5.A.6.3</td><td>Identifying integers; Integers</td><td>2</td></tr>
<tr><td>MA.5.A.6.4</td><td>Comparing integers; Graphing integers</td><td>2</td></tr>
<tr><td>MA.5.A.6.5</td><td>Guess, check, and revise; Patterns/relationships</td><td>3</td></tr>
<tr><td colspan="2">*Reporting Category Point Total*</td><td>**22**</td></tr>
<tr><td colspan="3">**Reporting Category 2. Expressions, Equations, and Statistics**</td></tr>
<tr><td>MA.5.A.4.1</td><td>Properties of equality; Solving one-variable equations;
Translating/solving equations</td><td>3</td></tr>
<tr><td>MA.5.A.6.2</td><td>Exponents; Order of operations</td><td>2</td></tr>
<tr><td>MA.5.S.7.1</td><td>Analyzing double bar graphs; Analyzing line graphs</td><td>3</td></tr>
<tr><td>MA.5.S.7.2</td><td>Continuous data; Discrete data</td><td>2</td></tr>
<tr><td colspan="2">*Reporting Category Point Total*</td><td>**10**</td></tr>
<tr><td colspan="3">**Reporting Category 3. Geometry and Measurement**</td></tr>
<tr><td>MA.5.G.3.1</td><td>Faces/edges/vertices of prisms; Faces/edges/vertices of pyramids</td><td>3</td></tr>
<tr><td>MA.5.G.3.2</td><td>Prism surface area; Prism volume</td><td>3</td></tr>
<tr><td>MA.5.G.5.1</td><td>Identifying coordinates; Plotting points</td><td>2</td></tr>
<tr><td>MA.5.G.5.2</td><td>Converting customary length; Converting time</td><td>2</td></tr>
<tr><td>MA.5.G.5.3</td><td>Appropriate units; Precision of measurement</td><td>2</td></tr>
<tr><td>MA.5.G.5.4</td><td>Trapezoid area; Triangle area</td><td>2</td></tr>
<tr><td colspan="2">*Reporting Category Point Total*</td><td>**14**</td></tr>
</table>

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<table>
<tr><td colspan="3" align="center">2011 FCAT 2.0 Mathematics
Grade 6</td></tr>
<tr><td align="center">NGSSS Benchmark</td><td align="center">Content Focus</td><td align="center">Number of Points Possible</td></tr>
<tr><td colspan="3" align="center">Reporting Category 1. Fractions, Ratios/Proportional Relationships, and Statistics</td></tr>
<tr><td>MA.6.A.1.1</td><td align="center">Fraction multiplication; Mixed number multiplication</td><td align="center">2</td></tr>
<tr><td>MA.6.A.1.3</td><td align="center">Decimal division; Decimal multiplication; Fraction division</td><td align="center">3</td></tr>
<tr><td>MA.6.A.2.1</td><td align="center">Solving rate by division; Solving rate by multiplication</td><td align="center">2</td></tr>
<tr><td>MA.6.A.2.2</td><td align="center">Comparing rates; Translating ratios</td><td align="center">2</td></tr>
<tr><td>MA.6.A.5.1</td><td align="center">Fractions/percents</td><td align="center">2</td></tr>
<tr><td>MA.6.A.5.2</td><td align="center">Ordering decimals</td><td align="center">1</td></tr>
<tr><td>MA.6.A.5.3</td><td align="center">Fraction estimate</td><td align="center">1</td></tr>
<tr><td>MA.6.S.6.1</td><td align="center">Mean; Mode</td><td align="center">3</td></tr>
<tr><td>MA.6.S.6.2</td><td align="center">Finding data given mean; Measures of central tendency comparisons</td><td align="center">2</td></tr>
<tr><td colspan="2" align="center">Reporting Category Point Total</td><td align="center">18</td></tr>
<tr><td colspan="3" align="center">Reporting Category 2. Expressions and Equations</td></tr>
<tr><td>MA.6.A.3.1</td><td align="center">Evaluating one-variable expressions; Evaluating two-variable expressions; Translating expressions; Working backwards</td><td align="center">6</td></tr>
<tr><td>MA.6.A.3.2</td><td align="center">Solving equations; Solving inequalities; Translating equations</td><td align="center">6</td></tr>
<tr><td>MA.6.A.3.5</td><td align="center">Commutative property; Distributive property</td><td align="center">2</td></tr>
<tr><td>MA.6.A.3.6</td><td align="center">Identifying equations; Linear functions; Rate of change</td><td align="center">3</td></tr>
<tr><td colspan="2" align="center">Reporting Category Point Total</td><td align="center">17</td></tr>
<tr><td colspan="3" align="center">Reporting Category 3. Geometry and Measurement</td></tr>
<tr><td>MA.6.G.4.1</td><td align="center">Circle area; Circumference; Diameter/radius</td><td align="center">3</td></tr>
<tr><td>MA.6.G.4.2</td><td align="center">Composite figure area; Composite figure perimeter</td><td align="center">3</td></tr>
<tr><td>MA.6.G.4.3</td><td align="center">Missing dimension trapezoid area; Triangle area; Volume</td><td align="center">3</td></tr>
<tr><td colspan="2" align="center">Reporting Category Point Total</td><td align="center">9</td></tr>
</table>

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NGSSS Benchmark	Content Focus	Number of Points Possible
2011 FCAT 2.0 Mathematics Grade 7		
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	Solving equations; Two-step equations; Working backwards	3
MA.7.A.3.4	Distributive property; Properties of equality	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	3
MA.7.A.1.2	Discount; Sales tax	2
MA.7.A.1.3	Similar figures; Similarity	2
MA.7.A.1.5	Direct variation	2
MA.7.A.1.6	Average/constant speed; Scale drawing	3
Reporting Category Point Total		**12**
Reporting Category 3. Geometry and Measurement		
MA.7.G.2.1	Surface area prism/pyramid; Volume/surface area; Volume cone/cylinder	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	Transformations; Translations	2
MA.7.G.4.3	Coordinate identification	2
MA.7.G.4.4	Converting length; 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	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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2011 FCAT 2.0 Mathematics 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	Radicals	1
MA.8.A.6.4	Effects of operations; Exponents	2
MA.8.S.3.1	Box-and-whisker plots; Scatter plots	3
MA.8.S.3.2	Interpretation of data; Median; Mean	3
Reporting Category Point Total		**12**
Reporting Category 2. Expressions, Equations, and Functions		
MA.8.A.1.1	Domain and/or range; Interpreting tables/graphs	3
MA.8.A.1.2	Identifying x-intercept; Identifying y-intercept; Interpreting slope	4
MA.8.A.1.3	Coordinate identifying; System of equations	3
MA.8.A.1.5	Graphs/linear functions; Tables/linear functions	2
MA.8.A.1.6	Graphs of nonlinear 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; Parallel lines cut by a tranversal; 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 rates	3
Reporting Category Point Total		**17**

What is content focus?
"Content focus" is a term that defines the specific content measured by each 2011 FCAT 2.0 test item.

The Next Generation Sunshine State Standards (NGSSS) benchmarks and content foci assessed on the 2011 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.