

# 1<sup>st</sup> Grade Mathematics

## 2007 Next Generation Sunshine State Standards

Big Idea1: Develop understandings of addition and subtraction strategies for basic addition facts and related subtraction facts.	
BENCHMARK CODE	BENCHMARK
MA.1.A.1.1	Model addition and subtraction situations using the concepts of "part-whole," "adding to," "taking away from," "comparing," and missing addend.  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>
MA.1.A.1.2	Identify, describe, and apply addition and subtraction as inverse operations.  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>
MA.1.A.1.3	Create and use increasingly sophisticated strategies, and use properties such as Commutative, Associative and Additive Identity, to add whole numbers.  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>
MA.1.A.1.4	Use counting strategies, number patterns, and models as a means for solving basic addition and subtraction fact problems.  <i>Cognitive Complexity/Depth of Knowledge Rating: High</i>
Big Idea2: Develop an understanding of whole number relationships, including grouping by tens and ones.	
BENCHMARK CODE	BENCHMARK
MA.1.A.2.1	Compare and order whole numbers at least to 100.  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>
MA.1.A.2.2	Represent two digit numbers in terms of tens and ones.  <i>Cognitive Complexity/Depth of Knowledge Rating: Low</i>
MA.1.A.2.3	Order counting numbers, compare their relative magnitudes, and represent numbers on a number line.  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>
Big Idea3: Compose and decompose two-dimensional and three-dimensional geometric shapes.	
BENCHMARK CODE	BENCHMARK
MA.1.G.3.1	Use appropriate vocabulary to compare shapes according to attributes and properties such as number and lengths of sides, and number of vertices.  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>
MA.1.G.3.2	Compose and decompose plane and solid figures, including making predictions about them, to build an understanding of part-whole relationships and properties of shapes.  <i>Cognitive Complexity/Depth of Knowledge Rating: High</i>
Supporting Idea4: Algebra	
BENCHMARK CODE	BENCHMARK
MA.1.A.4.1	Extend repeating and growing patterns, fill in missing terms, and justify reasoning.  <i>Cognitive Complexity/Depth of Knowledge Rating: High</i>

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### Supporting Idea5: Geometry and Measurement

BENCHMARK CODE	BENCHMARK
MA.1.G.5.1	Measure by using iterations of a unit and count the unit measures by grouping units.  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>
MA.1.G.5.2	Compare and order objects according to descriptors of length, weight and capacity.  <i>Cognitive Complexity/Depth of Knowledge Rating: Moderate</i>

### Supporting Idea6: Number and Operations

BENCHMARK CODE	BENCHMARK
MA.1.A.6.1	Use mathematical reasoning and beginning understanding of tens and ones, including the use of invented strategies, to solve two-digit addition and subtraction problems.  <i>Cognitive Complexity/Depth of Knowledge Rating: High</i>
MA.1.A.6.2	Solve routine and non-routine problems by acting them out, using manipulatives, and drawing diagrams.  <i>Cognitive Complexity/Depth of Knowledge Rating: High</i>