



# Next Generation Sunshine State Standards—Grade K

Benchmark	Level B	Level C	Florida Teacher Resource Book
<b>Big Idea 1: Represent, compare, and order whole numbers, and join and separate sets.</b>			
<b>MA.K.A.1.1</b> Represent quantities with numbers up to 20, verbally, in writing, and with manipulatives.	W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12 Also: W1	W7 Also: W1, W2, W3, W4, W8	W3L5
<b>MA.K.A.1.2</b> Solve problems including those involving sets by counting, by using cardinal and ordinal numbers, by comparing, by ordering, and by creating sets up to 20.	W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12 Also: W1	W7, W15 Also: W4, W5, W6, W8, W11, W26	W10L5
<b>MA.K.A.1.3</b> Solve word problems involving simple joining and separating situations.	W3, W4, W5	W15, W16, W17, W19, W20 Also: W9, W10, W11, W12, W13, W14, W18,	W13L5
<b>Big Idea 2: Describe shapes and space.</b>			
<b>MA.K.G.2.1</b> Describe, sort and re-sort objects using a variety of attributes such as shape, size, and position.	<i>Building Blocks</i> Geometry Snapshots, Shape Parts		W21L5
<b>MA.K.G.2.2</b> Identify, name, describe and sort basic two-dimensional shapes such as squares, triangles, circles, rectangles, hexagons, and trapezoids.	W8L1–4	<i>Building Blocks</i> Shape Shop	W21L5
<b>MA.K.G.2.3</b> Identify, name, describe, and sort three-dimensional shapes such as spheres, cubes and cylinders.			W17L5
<b>MA.K.G.2.4</b> Interpret the physical world with geometric shapes, and describe it with corresponding vocabulary.	<i>Building Blocks</i> Mystery Pictures		W18L5
<b>MA.K.G.2.5</b> Use basic shapes, spatial reasoning, and manipulatives to model objects in the environment and to construct more complex shapes.	<i>Building Blocks</i> Super Shape		W18L5
<b>Big Idea 3: Order objects by measurable attributes.</b>			
<b>MA.K.G.3.1</b> Compare and order objects indirectly or directly using measurable attributes such as length, height, and weight.	W7, W26		W20L5
<b>Supporting Idea 4: Algebra</b>			
<b>MA.K.A.4.1</b> Identify and duplicate simple number and non-numeric repeating and growing patterns.	W9, W10		W24L5
<b>Supporting Idea 5: Geometry and Measurement</b>			
<b>MA.K.G.5.1</b> Demonstrate an understanding of the concept of time using identifiers such as morning, afternoon, day, week, month, year, before/after, and shorter/longer.		Also: W5	W22L5



# Next Generation Sunshine State Standards—Grade 1

Benchmark	Level C	Level D	Florida Teacher Resource Book
<b>Big Idea 1: Develop understandings of addition and subtraction strategies for basic addition facts and related subtraction facts.</b>			
<b>MA.1.A.1.1</b> Model addition and subtraction situations using the concepts of “part-whole,” “adding to,” “taking away from,” “comparing,” and “missing addend.”	W9, W10, W11, W12, W13, W18, W19, W20, W23 Also: W6, W14, W16, W17, W21, W22, W24, W26, W29	U3W1L1–4, U3W2L1–4 Also: U3W3L1–4, U4W2L1–4, U4W3L1–4, U4W4L1–4, U4W1L1–4	U2W2L5, U3W2L5
<b>MA.1.A.1.2</b> Identify, describe, and apply addition and subtraction as inverse operations.	W11, W20 Also: W6	Also: U4W3L1–4, U4W4L1–4	U2W4L5, U3W3L5
<b>MA.1.A.1.3</b> Create and use increasingly sophisticated strategies, and use properties such as Commutative, Associative and Additive Identity, to add whole numbers.		U3W2L3	U6W4L5
<b>MA.1.A.1.4</b> Use counting strategies, number patterns, and models as a means for solving basic addition and subtraction fact problems.	W9, W10, W12, W13, W18, W19, W20, W23 Also: W14, W15, W16, W17, W26, W29	Also: U3W2L4, U3W4L1–4, U4W1L3–4	U2W3L5, U3W4L5
<b>Big Idea 2: Develop an understanding of whole number relationships, including grouping by tens and ones.</b>			
<b>MA.1.A.2.1</b> Compare and order whole numbers at least to 100.	W2, W3, W4, W5 Also: W6, W7, W15, W21, W25, W30, W13	Also: U1W2L1–4, U1W3L1–4, U4W1L1	U1W2L5
<b>MA.1.A.2.2</b> Represent two digit numbers in terms of tens and ones.	W13, W27	Also: U1W4L1–4	U6W1L5
<b>MA.1.A.2.3</b> Order counting numbers, compare their relative magnitudes, and represent numbers on a number line.	W2, W3, W4, W5, W13 Also: W6, W7, W8, W21, W22, W24, W25, W30	Also: U1W2L1–4, U1W3L1–4, U4W1L1	U1W4L5
<b>Big Idea 3: Compose and decompose two-dimensional and three-dimensional geometric shapes.</b>			
<b>MA.1.G.3.1</b> Use appropriate vocabulary to compare shapes according to attributes and properties such as number and lengths of sides, and number of vertices.	<b>Building Blocks</b> Legends of the Lost Shape, Memory Geometry	U5W1L1–4	U4W1L5
<b>MA.1.G.3.2</b> Compose and decompose plane and solid figures, including making predictions about them, to build an understanding of part-whole relationships and properties of shapes.	<b>Building Blocks</b> Piece Puzzler, Super Shape	U5W1L4 Also: U5W4L1, U5W4L2	U4W1L5
<b>Supporting Idea 4: Algebra</b>			
<b>MA.1.A.4.1</b> Extend repeating and growing patterns, fill in missing terms, and justify reasoning.	<b>Building Blocks</b> Marching Patterns, Pattern Planes	U2W1L1–4, U2W2L1–4, U2W3L1–4, U2W4L1–4	U5W3L5
<b>Supporting Idea 5: Geometry and Measurement</b>			
<b>MA.1.G.5.1</b> Measure by using iterations of a unit and count the unit measures by grouping units.	W28L1, <b>Building Blocks</b> Reptile Ruler	U5W2L1, U5W2L2	U4W2L5
<b>MA.1.G.5.2</b> Compare and order objects according to descriptors of length, weight and capacity.	W28L1, <b>Building Blocks</b> Comparisons	U5W1L1, U5W2L1–4	U4W3L5
<b>Supporting Idea 6: Number and Operations</b>			
<b>MA.1.A.6.1</b> Use mathematical reasoning and beginning understanding of tens and ones, including the use of invented strategies, to solve two-digit addition and subtraction problems.	W27	U1W4L1–4, U3W2L1–4, U4W4L4	U6W4L5
<b>MA.1.A.6.2</b> Solve routine and non-routine problems by acting them out, using manipulatives, and drawing diagrams.	<b>Building Blocks</b> Word Problems with Tools	U2W4L1–4	U6W3L5



# Next Generation Sunshine State Standards—Grade 2

Benchmark	Level D	Level E	Florida Teacher Resource Book
<b>Big Idea 1: Develop an understanding of base-ten numerations system and place-value concepts.</b>			
<b>MA.2.A.1.1</b> Identify relationships between the digits and their place values through the thousands, including counting by tens and hundreds.	U1W4L1–4	U1W2L1–4, U2W3L1–4 Also: U1W1L3–4, U1W3L1–4, U1W4L1–4	U1W2L5
<b>MA.2.A.1.2</b> Identify and name numbers through thousands in terms of place value and apply this knowledge to expanded notation.	U1W2L1–4, U1W4L1–4	U1W2L1–4 Also: U1W1L3–4, U1W3L1–4 U1W4L1–4	U1W1L5, U3W1L5
<b>MA.2.A.1.3</b> Compare and order multi-digit numbers through the thousands.	U1W2L1–4, U4W1L1 Also: U1W3L1–4, U1W2L3–4	Also: U1W4L1–4	U1W3L5, U1W2L5
<b>Big Idea 2: Develop quick recall of addition facts and related subtraction facts and fluency with multi-digit addition and subtraction.</b>			
<b>MA.2.A.2.1</b> Recall basic addition and related subtraction facts.	U3W1L2–4, U3W2L1–4, U4W1L2–4, U4W2L1–4, Also: U2W4L1–4, U3W3L1–4, U3W4L1–4, U4W3L1–4, U4W4L1–4	U2W4L1–4, U3W1L1–2, U4W1L1–4 Also: U1W1L1–4	U2W4L5
<b>MA.2.A.2.2</b> Add and subtract multi-digit whole numbers through three digits with fluency by using a variety of strategies, including invented and standard algorithms and explanations of those procedures.	<i>Building Blocks</i> Figure the Fact	U3W1L2–4, U3W2L1–4, U3W3L1–4, U3W4L1–4, U4W1L3–4, U4W2L1–4, U4W3L1–4, U4W4L1–4	U4W4L5
<b>MA.2.A.2.3</b> Estimate solutions to multi-digit addition and subtraction problems through three digits.	<i>Building Blocks</i> Rocket Blast		U3W2L5
<b>MA.2.A.2.4</b> Solve addition and subtraction problems that involve measurement and geometry.		U3W4L1–4, U5W4L1–4	U3W1L5
<b>Big Idea 3: Develop an understanding of linear measurement and facility in measuring lengths.</b>			
<b>MA.2.G.3.1</b> Estimate and use standard units, including inches and centimeters, to partition and measure lengths of objects.	U5W2L2–4	<i>Building Blocks</i> Reptile Ruler	U6W1L5
<b>MA.2.G.3.2</b> Describe the inverse relationship between the size of a unit and number of units needed to measure a given object.			U6W2L5
<b>MA.2.G.3.3</b> Apply the Transitive Property when comparing lengths of objects.			U6W1L5
<b>MA.2.G.3.4</b> Estimate, select an appropriate tool, measure, and/or compute lengths to solve problems.	U5W2L2–4, U6W1L1	U5W2L1–4	U6W1L5



# Next Generation Sunshine State Standards—Grade 2

Benchmark	Level D	Level E	Florida Teacher Resource Book
<b>Supporting Idea 4: Algebra</b>			
<b>MA.2.A.4.1</b> Extend number patterns to build a foundation for understanding multiples and factors — for example, skip counting by 2’s, 5’s, 10’s.			U5W2L5
<b>MA.2.A.4.2</b> Classify numbers as odd or even and explain why.			U5W1L5
<b>MA.2.A.4.3</b> Generalize numeric and non-numeric patterns using words and tables.	Also: U2W2L1–4, U2W3L1–4	U2W1L1–4, U2W2L1–4, U2W3L1–4, U2W4L2–3	U5W3L5
<b>MA.2.A.4.4</b> Describe and apply equality to solve problems, such as in balancing situations.	Also: U2W4L2–3	U2W4L1–4	U5W4L5
<b>MA.2.A.4.5</b> Recognize and state rules for functions that use addition and subtraction.	<i>Building Blocks</i> Function Machine 1	U2W3L4	U5W3L5
<b>Supporting Idea 5: Geometry and Measurement</b>			
<b>MA.2.G.5.1</b> Use geometric models to demonstrate the relationships between wholes and their parts as a foundation to fractions.	<i>Building Blocks</i> Super Shape		U6W2L5
<b>MA.2.G.5.2</b> Identify time to the nearest hour and half hour.		U5W4L4	U6W4L5
<b>MA.2.G.5.3</b> Identify, combine, and compare values of money in cents up to \$1 and in dollars up to \$100, working with a single unit of currency.		Also: U1W3L3–4	U1W2L5, U3W1L5
<b>MA.2.G.5.4</b> Measure weight/mass and capacity/volume of objects. Include the use of the appropriate units of measure and their abbreviations including cups, pints, quarts, gallons, ounces (oz), pounds (lbs), grams (g), kilograms (kg), milliliters (mL), and liters (L).		U5W3L1–4, U5W2L1–4	U6W3L5
<b>Supporting Idea 6: Number and Operations</b>			
<b>MA.2.A.6.1</b> Solve problems that involve repeated addition.			U3W4L5



# Next Generation Sunshine State Standards—Grade 3

Benchmark	Level E	Level F	Florida Teacher Resource Book
<b>Big Idea 1: Develop understandings of multiplication and division and strategies for basic multiplication facts and related division facts.</b>			
<b>MA.3.A.1.1</b> Model multiplication and division including problems presented in context: repeated addition, multiplicative comparison, array, how many combinations, measurement, and partitioning.	<b>Building Blocks</b> Arrays in Area, Field Trip	U4W1L1–4, U4W2L1–4, U4W3L1–4 Also: U5W4L1–4	U2W2L5
<b>MA.3.A.1.2</b> Solve multiplication and division fact problems by using strategies that result from applying number properties.	<b>Building Blocks</b> Snack Time, Word Problems 5–6	U4W1L1–4, U4W2L1–4, U4W3L1–4, U4W4L1–4	U2W3L5, U2W4L5
<b>MA.3.A.1.3</b> Identify, describe, and apply division and multiplication as inverse operations.	<b>Building Blocks</b> Function Machine 2–5		U2W4L5
<b>Big Idea 2: Develop an understanding of fractions and fraction equivalence.</b>			
<b>MA.3.A.2.1</b> Represent fractions, including fractions greater than one, using area, set, and linear models.	<b>Building Blocks</b> Egg-stremely Equal	U1W4L3–4	U1W2L5, U1W4L1, U1W4L4
<b>MA.3.A.2.2</b> Describe how the size of the fractional part is related to the number of equal sized pieces in the whole.	<b>Building Blocks</b> Egg-stremely Equal		U1W3L5, U1W4L2
<b>MA.3.A.2.3</b> Compare and order fractions, including fractions greater than one, using models and strategies.			U1W4L2–4
<b>MA.3.A.2.4</b> Use models to represent equivalent fractions, including fractions greater than 1, and identify representations of equivalence.			U1W4L2–3
<b>Big Idea 3: Describe and analyze properties of two-dimensional shapes.</b>			
<b>MA.3.G.3.1</b> Describe, analyze, compare, and classify two-dimensional shapes using sides and angles — including acute, obtuse, and right angles — and connect these ideas to the definition of shapes.	<b>Building Blocks</b> Shape Parts, Shape Shop	U5W1L1–4	U3W1L5
<b>MA.3.G.3.2</b> Compose, decompose, and transform polygons to make other polygons, including concave and convex polygons with three, four, five, six, eight, or ten sides.	<b>Building Blocks</b> Mystery Pictures, Super Shape, Piece Puzzler	U5W1L1, U5W1L3–4, U5W2L1	U3W2L5
<b>MA.3.G.3.3</b> Build, draw and analyze two-dimensional shapes from several orientations in order to examine and apply congruence and symmetry.		U5W1L1–4, U5W2L1–4	U3W2L5
<b>Supporting Idea 4: Algebra</b>			
<b>MA.3.A.4.1</b> Create, analyze, and represent patterns and relationships using words, variables, tables, and graphs.	U2W2L1–4, U2W3L3–4, U2W4L2–3	U2W1L1–4, U2W2L1–4, U2W3L1–4, U2W4L1–4	U4W3L5



# Next Generation Sunshine State Standards—Grade 3

Benchmark	Level E	Level F	Florida Teacher Resource Book
<b>Supporting Idea 5: Geometry and Measurement</b>			
<b>MA.3.G.5.1</b> Select appropriate units, strategies, and tools to solve problems involving perimeter.			U3W1L5
<b>MA.3.G.5.2</b> Measure objects using fractional parts of linear units such as $\frac{1}{2}$ , $\frac{1}{4}$ , and $\frac{1}{10}$ .		U1W4L3	U3W3L5
<b>MA.3.G.5.3</b> Tell time to the nearest minute and to the nearest quarter hour, and determine the amount of time elapsed.	U5W4L1–4		U3W4L5
<b>Supporting Idea 6: Number and Operations</b>			
<b>MA.3.A.6.1</b> Represent, compute, estimate, and solve problems using numbers through hundred thousands.		U1W3L1–4 Also: U3W2L1–4, U3W3L1–4, U3W4L1–4	U5W1L5
<b>MA.3.A.6.2</b> Solve non-routine problems by making a table, chart, or list and searching for patterns.	U2W1L1–4, U2W2L1–4, U2W3L3–4, U2W4L2	U2W2L1–4, U2W3L1–4, U2W4L1–4	U5W4L5
<b>Supporting Idea 7: Data Analysis</b>			
<b>MA.3.S.7.1</b> Construct and analyze frequency tables, bar graphs, pictographs, and line plots from data, including data collected through observations, surveys, and experiments.	Also: U6W2L1–4, U6W3L1–4, U6W4L1–4	U6W1L1–4, U6W2L1–4, U6W3L1–4, U6W4L1–4	U6W4L5



# Next Generation Sunshine State Standards—Grade 4

Benchmark	Level F	Level G	Florida Teacher Resource Book
<b>Big Idea 1: Develop quick recall of multiplication facts and related division facts and fluency with whole number multiplication.</b>			
<b>MA.4.A.1.1</b> Use and describe various models for multiplication in problem-solving situations, and demonstrate recall of basic multiplication and related division facts with ease.	U4W1L1–4, U4W2L1–4, U4W3L1–4 U4W4L3 U4W4L4	U3W1L1–4, U3W2L1–4, U3W3L1–4, U3W4L1–4, U4W1L1–4, U4W2L1	U1W3L5
<b>MA.4.A.1.2</b> Multiply multi-digit whole numbers through four digits fluently, demonstrating understanding of the standard algorithm, and checking for reasonableness of results, including solving real-world problems.	U4W4L1, U4W4L2	U3W1L4, U3W2L1–4, U3W4L1–4	U1W2L5
<b>Big Idea 2: Develop an understanding of decimals, including the connection between fractions and decimals.</b>			
<b>MA.4.A.2.1</b> Use decimals through the thousandths place to name numbers between whole numbers.	Also: U1W1L4	U1W4L1–4	U4W4L5
<b>MA.4.A.2.2</b> Describe decimals as an extension of the base-ten number system.		U1W4L1–4	U4W4L5
<b>MA.4.A.2.3</b> Relate equivalent fractions and decimals with and without models, including locations on a number line.	U1W4L3–4	U1W3L1–4, U1W4L1–4 Also: U1W2L1–4	U4W2L5
<b>MA.4.A.2.4</b> Compare and order decimals, and estimate fraction and decimal amounts in real-world problems.	U1W4L2	U1W4L1–4	U4W4L5
<b>Big Idea 3: Develop an understanding of area and determine the area of two-dimensional shapes.</b>			
<b>MA.4.G.3.1</b> Describe and determine area as the number of same-sized units that cover a region in the plane, recognizing that a unit square is the standard unit for measuring area.	U5W3L1–4	Also: U2W1L3	U6W3L5
<b>MA.4.G.3.2</b> Justify the formula for the area of the rectangle “area = base × height”.	U5W3L3	U3W1L2 Also: U5W2L3	U2W1L5
<b>MA.4.G.3.3</b> Select and use appropriate units, both customary and metric, strategies, and measuring tools to estimate and solve real-world area problems.	U5W3L2, U5W3L3 Also: U5W4L1–4	Also: U5W2L4	U6W3L5
<b>Supporting Idea 4: Algebra</b>			
<b>MA.4.A.4.1</b> Generate algebraic rules and use all four operations to describe patterns, including nonnumeric growing or repeating patterns.	U2W1L1–4, U2W2L1–4, U2W3L1–4, U4W1L4, U4W4L1 Also: U1W3L1	U2W3L1, U2W3L4 Also: U2W4L1–3	U5W1L5



# FLORIDA Next Generation Sunshine State Standards—Grade 4

Benchmark	Level F	Level G	Florida Teacher Resource Book
<b>MA.4.A.4.2</b> Describe mathematics relationships using expressions, equations, and visual representations.	U2W2L3, U2W2L4, U2W3L1, U2W3L2, U2W3L3, U4W1L4 Also: U1W3L2–3, U2W4L1–4	U2W3L1–4 Also: U2W1L1–4, U2W2L1–4, U2W4L1–4	U5W2L5
<b>MA.4.A.4.3</b> Recognize and write algebraic expressions for functions with two operations.		U2W3L1, U2W3L3 Also: U2W4L1–4	U5W3L5
<b>Supporting Idea 5: Geometry and Measurement</b>			
<b>MA.4.G.5.1</b> Classify angles of two-dimensional shapes using benchmark angles (45°, 90°, 180°, and 360°).	U5W1L2	U5W1L3	U6W1L5
<b>MA.4.G.5.2</b> Identify and describe the results of translations, reflections, and rotations of 45, 90, 180, 270, and 360 degrees, including figures with line and rotational symmetry.	U5W2L1–4	U5W1L1, U5W1L2, U5W1L4	U6W2L5
<b>MA.4.G.5.3</b> Identify and build a three-dimensional object from a two-dimensional representation of that object and vice versa.		U5W1L1–4 Also: U5W2L1, U5W3L1	U6W4L5
<b>Supporting Idea 6: Number and Operations</b>			
<b>MA.4.A.6.1</b> Use and represent numbers through millions in various contexts, including estimation of relative sizes of amounts or distances.	U1W4L1 Also: U1W1L2–3, U1W2L1–4		U4W1L5
<b>MA.4.A.6.2</b> Use models to represent division as: <ul style="list-style-type: none"> <li>• the inverse of multiplication</li> <li>• as partitioning</li> <li>• as successive subtraction</li> </ul>	U4W4L4	U3W4L4, U4W1L1–4, U4W2L1	U3W1L5, U3W3L5
<b>MA.4.A.6.3</b> Generate equivalent fractions and simplify fractions.		U1W1L1, U1W3L3 Also: U1W2L1–4	U4W3L5
<b>MA.4.A.6.4</b> Determine factors and multiples for specified whole numbers.	U4W4L3, U5W4L1–4	U1W3L3 Also: U4W4L1–4	U3W3L5
<b>MA.4.A.6.5</b> Relate halves, fourths, tenths, and hundredths to decimals and percents.	Also: U5W4L1–4	U1W4L1–4	U3W4L5
<b>MA.4.A.6.6</b> Estimate and describe reasonableness of estimates; determine the appropriateness of an estimate versus an exact answer.	Also: U3W2L3–4, U3W3L1–4	U3W2L1–4, U4W2L4	U2W2L5



# Next Generation Sunshine State Standards—Grade 5

Benchmark	Level G	Level H	Florida Teacher Resource Book
<b>Big Idea 1: Develop an understanding of and fluency with division of whole numbers.</b>			
<b>MA.5.A.1.1</b> Describe the process of finding quotients involving multi-digit dividends using models, place value, properties, and the relationship of division to multiplication.	Also: U4W2L1–2, U4W3L1, U4W3L3–4	U4W3L1–4, U4W4L1, U4W4L4	U4W4L5
<b>MA.5.A.1.2</b> Estimate quotients or calculate them mentally depending on the context and numbers involved.	Also: U4W2L4, U4W3L3, U4W4L1	U4W3L2–4, U4W4L2	U4W3L5
<b>MA.5.A.1.3</b> Interpret solutions to division situations including those with remainders depending on the context of the problem.	Also: U4W1L3–4, U4W2L3, U4W3L3–4, U4W4L3, U3W4L4	U4W4L3–4	U4W3L5
<b>MA.5.A.1.4</b> Divide multi-digit whole numbers fluently, including solving real-world problems, demonstrating understanding of the standard algorithm and checking the reasonableness of results.	Also: U4W2L2–3, U4W3L1–4, U4W4L1–4, U3W4L4	U4W3L1–4, U4W4L1–4	U4W4L5
<b>Big Idea 2: Develop an understanding of and fluency with addition and subtraction of fractions and decimals.</b>			
<b>MA.5.A.2.1</b> Represent addition and subtraction of decimals and fractions with like and unlike denominators using models, place value, or properties.	U1W2L4	U3W1L1–4, U3W3L1–4	U2W3L5
<b>MA.5.A.2.2</b> Add and subtract fractions and decimals fluently and verify the reasonableness of results, including in problem situations.	U1W2L4	U3W1L1–4, U3W3L2, U3W3L4	U2W4L5, U2W3L5
<b>MA.5.A.2.3</b> Make reasonable estimates of fraction and decimal sums and differences, and use techniques for rounding.			U2W3L5, U2W4L5
<b>MA.5.A.2.4</b> Determine the prime factorization of numbers.			U1W2L5
<b>Big Idea 3: Describe three-dimensional shapes and analyze their properties, including volume and surface area.</b>			
<b>MA.5.G.3.1</b> Analyze and compare the properties of two-dimensional figures and three-dimensional solids (polyhedra), including the number of edges, faces, vertices, and types of faces.	U5W2L2, U5W3L1–2	U5W1L2, U5W2L1–2, U5W3L1–4	U5W3L5
<b>MA.5.G.3.2</b> Describe, define, and determine surface area and volume of prisms by using appropriate units and selecting strategies and tools.	U5W2L2–4, U5W3L2, U5W3L4, U5W4L1–3	U5W2L1–4, U5W4L1–4	U5W4L5
<b>Supporting Idea 4: Algebra</b>			
<b>MA.5.A.4.1</b> Use the properties of equality to solve numerical and real world situations.	U2W1L1–2, U2W2L1–4, U2W3L1–4	Also: U2W3L1	U3W2L5



# FLORIDA Next Generation Sunshine State Standards—Grade 5

Benchmark	Level G	Level H	Florida Teacher Resource Book
<b>MA.5.A.4.2</b> Construct and describe a graph showing continuous data, such as a graph of a quantity that changes over time.	U2W3L1–4, U2W4L1–4 Also: U6W1L2	Also: U2W2L2, U2W3L1–4	U3W4L5
<b>Supporting Idea 5: Geometry and Measurement</b>			
<b>MA.5.G.5.1</b> Identify and plot ordered pairs on the first quadrant of the coordinate plane.	U2W3L2–4, U2W4L4	Also: U2W2L2, U2W2L4, U2W3L2, U2W3L4	U3W3L5
<b>MA.5.G.5.2</b> Compare, contrast, and convert units of measure within the same dimension (length, mass, or time) to solve problems.	U5W4L4	Also: U2W2L4	U6W2L5
<b>MA.5.G.5.3</b> Solve problems requiring attention to approximation, selection of appropriate measuring tools, and precision of measurement.	U5W2L4, U5W3L2–3, U5W4L4	U5W1L2-4, U5W2L2, U5W3L4 Also: U2W4L2, U2W4L3	U6W1L5
<b>MA.5.G.5.4</b> Derive and apply formulas for areas of parallelograms, triangles, and trapezoids from the area of a rectangle.		U5W2L3–4	U5W1L5
<b>Supporting Idea 6: Number and Operations</b>			
<b>MA.5.A.6.1</b> Identify and relate prime and composite numbers, factors, and multiples within the context of fractions.	Also: U1W3L3, U1W3L4	U3W1L4	U1W2L5
<b>MA.5.A.6.2</b> Use the order of operations to simplify expressions which include exponents and parentheses.	U2W1L1, U2W2L3–4 Also: U3W1L3	U1W1L1–2	U3W2L5
<b>MA.5.A.6.3</b> Describe real-world situations using positive and negative numbers.	U2W4L1	U1W1L3–4	U1W4L5
<b>MA.5.A.6.4</b> Compare, order, and graph integers including integers shown on a number line.		U1W1L3–4	U2W1L5
<b>MA.5.A.6.5</b> Solve non-routine problems using various strategies including “solving a simpler problem” and “guess, check, and revise.”	Also: U3W3L3		U4W2L5
<b>Supporting Idea 7: Data Analysis</b>			
<b>MA.5.S.7.1</b> Construct and analyze line graphs and double bar graphs.	U2W3L3-4, U2W4L1–4 Also: U6W1L2	Also: U6W1L1, U6W2L3–4	U3W4L5
<b>MA.5.S.7.2</b> Differentiate between continuous and discrete data, and determine ways to represent those using graphs and diagrams.	U2W3L3	Also: U2W2L2, U2W3L2, U6W1L1	U3W3L5



# Next Generation Sunshine State Standards—Grade 6

Benchmark	Level H	Level I	Florida Teacher Resource Book
<b>Big Idea 1: Develop an understanding of and fluency with multiplication and division of fractions and decimals.</b>			
<b>MA.6.A.1.1</b> Explain and justify procedures for multiplying and dividing fractions and decimals.	U3W2L1, U3W2L3, U3W4L1–3	Also: U2W3L1–3, U2W4L3–4	U2W2L5
<b>MA.6.A.1.2</b> Multiply and divide fractions and decimals efficiently.	U3W2L2, U3W2L4, U3W4L2, U3W4L4	Also: U2W3L1–4, U2W4L3–4	U2W2L5
<b>MA.6.A.1.3</b> Solve real-world problems involving multiplication and division of fractions and decimals.	U3W2L1–4, U3W4L2–4	Also: U2W3L1–3, U2W4L3–4, U3W3L1	U2W4L5
<b>Big Idea 2: Connect ratio and rates to multiplication and division.</b>			
<b>MA.6.A.2.1</b> Use reasoning about multiplication and division to solve ratio and rate problems.	U2W1L3–4, U2W2L1–4, U2W3L1, U2W4L1–4 Also: U4W2L4	Also: U2W4L4, U3W1L2–3, U3W2L1–4, U3W3L3–4, U3W4L1, U3W4L3–4	U3W2L5
<b>MA.6.A.2.2</b> Interpret and compare ratios and rates.	U2W1L1–2, U2W2L1, U2W2L3, U2W3L2, U2W4L1–4	Also: U1W2L2, U2W4L4, U3W2L1–4, U3W3L2–3, U3W4L1–2, U6W3L3	U3W1L5
<b>Big Idea 3: Write, interpret, and use mathematical expressions and equations.</b>			
<b>MA.6.A.3.1</b> Write and evaluate mathematical expressions that correspond to given situations.	U2W2L1–4, U2W3L1–3	U4W1L1–2, U4W4L1–4	U4W4L5
<b>MA.6.A.3.2</b> Write, solve, and graph one- and two-step linear equations and inequalities.	U2W2L2–3, U2W3L2–4	U4W1L1–4, U4W2L2, U4W3L2–4, U4W4L3–4	U4W1L5
<b>MA.6.A.3.3</b> Work backward with two-step function rules to undo expressions.		U4W3L1, U4W3L4	U4W3L5
<b>MA.6.A.3.4</b> Solve problems given a formula.	Also: U5W2L3	U5W2L2 Also: U3W4L4	U5W1L5, U5W2L5
<b>MA.6.A.3.5</b> Apply the Commutative, Associative, and Distributive Properties to show that two expressions are equivalent.	Also: U4W1L1, U4W3L4		U4W4L5
<b>MA.6.A.3.6</b> Construct and analyze tables, graphs, and equations to describe linear functions and other simple relations using both common language and algebraic notation.	U2W3L1–4	U4W1L1–4, U4W2L1–2, U4W3L2–4 Also: U3W2L2	U4W2L5



# Next Generation Sunshine State Standards—Grade 6

Benchmark	Level H	Level I	Florida Teacher Resource Book
<b>Supporting Idea 4: Geometry and Measurement</b>			
<b>MA.6.G.4.1</b> Understand the concept of Pi, know common estimate of Pi (3.14; $22/7$ ) and use these values to estimate and calculate the circumference and the area of circles.		U5W4L1, U5W4L2	U5W4L5
<b>MA.6.G.4.2</b> Find the perimeters and areas of composite two-dimensional figures, including non-rectangular figures (such as semicircles) using various strategies.			U5W1L5
<b>MA.6.G.4.3</b> Determine a missing dimension of a plane figure or prism given its area or volume and some of the dimensions, or determine the area of volume given the dimensions.	Also: U5W2L4	U5W2L3–4, U5W3L1, U5W3L4	U5W2L5
<b>Supporting Idea 5: Number and Operations</b>			
<b>MA.6.A.5.1</b> Use equivalent forms of fractions, decimals, and percents to solve problems.	U1W3L1–4, U2W1L4, U1W4L3	Also: U1W4L3, U2W2L3, U3W1L2-3, U3W4L2, U6W3L1, U1W3L1, U1W3L4	U2W1L5
<b>MA.6.A.5.2</b> Compare and order fractions, decimals, and percents, including finding their approximate location on a number line.	U1W2L3–4, U1W3L1, U1W3L3, U1W4L2–3	Also: U1W2L2, U1W3L4, U1W4L3–4, U2W2L4, U3W1L1, U3W1L3	U1W4L5
<b>MA.6.A.5.3</b> Estimate the results of computations with fractions, decimals, and percents, and judge the reasonableness of the results.		Also: U2W2L4, U2W3L2, U2W4L2	U2W3L5
<b>Supporting Idea 6: Data Analysis</b>			
<b>MA.6.S.6.1</b> Determine the measures of central tendency (mean, median, mode) and variability (range) for a given set of data.	U6W2L1–2, U6W2L4, U6W3L1, U6W3L3–4	Also: U6W1L1–4, U6W2L1–3	U6W2L5
<b>MA.6.S.6.2</b> Select and analyze the measures of central tendency or variability to represent, describe, analyze, and/or summarize a data set for the purposes of answering questions appropriately.	U6W2L1–2, U6W2L4, U6W3L3–4	Also: U6W1L3–4	U6W3L5



# Next Generation Sunshine State Standards—Middle School

Benchmark	Level I	Level J	Florida Teacher Resource Book
<b>Grade 7 Big Idea 1: Develop an understanding of and apply proportionality, including similarity.</b>			
<b>MA.7.A.1.1</b> Distinguish between situations that are proportional or not proportional, and use proportions to solve problems.	U3W3L3 Also: U2W2L2, U3W2L4, U6W3L3		
<b>MA.7.A.1.2</b> Solve percent problems, including problems involving discounts, simple interest, taxes, tips, and percents of increase or decrease.	U3W1L1–4	U3W3L2–4, U3W4L2	U2W1L5
<b>MA.7.A.1.3</b> Solve problems involving similar figures.		U5W3L1, U5W3L3–4	
<b>MA.7.A.1.4</b> Graph proportional relationships and identify the unit rate as the slope of the related linear function.		U4W1L3, U4W2L1–4, U4W3L1–2, U4W3L4	
<b>MA.7.A.1.5</b> Distinguish direct variation from other relationships, including inverse variation.		Also: U5W2L2	
<b>MA.7.A.1.6</b> Apply proportionality to measurement in multiple contexts, including scale drawings and constant speed.	U3W3L1–2, U3W3L4 Also: U3W4L1, U3W4L3–4	U5W3L1, U5W3L4	
<b>Grade 7 Big Idea 2: Develop an understanding of and use formulas to determine surface areas and volumes of three-dimensional shapes.</b>			
<b>MA.7.G.2.1</b> Justify and apply formulas for surface areas and volume of pyramids, prisms, cylinders, and cones.	U5W3L1, U5W3L4, U5W4L3–4 Also: U5W2L3–4		U4W3L5
<b>MA.7.G.2.2</b> Use formulas to find surface areas and volume of three-dimensional composite shapes.	U5W3L1		U4W2L5
<b>Grade 7 Big Idea 3: Develop an understanding of operations on all rational numbers and solving linear equations.</b>			
<b>MA.7.A.3.1</b> Use and justify the rules for adding, subtracting, multiplying, dividing, and finding the absolute value of integers.	Also: U2W1L2–4	U1W1L2–4, U1W2L2–4	U1W1L5, U1W2L5
<b>MA.7.A.3.2</b> Add, subtract, multiply, and divide integers, fractions, and terminating decimals, and perform exponential operations with rational bases and whole number exponents including solving problems in everyday contexts.	Also: U2W1L4, U2W2L1–4, U2W3L1–4, U2W4L1–4	U1W1L2–4, U1W2L3–4, U1W3L1–4, U3W1L2–4, U3W2L1–2, U3W4L1–2	U1W3L5, U2W4L5
<b>MA.7.A.3.3</b> Formulate and use different strategies to solve one-step and two-step linear equations, including equations with rational coefficients.	Also: U4W3L2–4, U4W4L3–4	Also: U5W2L4	U3W3L5
<b>MA.7.A.3.4</b> Use the properties of equality to represent an equation in a different way and to show that two equations are equivalent in a given context.	Also: U4W3L1–4	U2W2L1–4	U3W1L5, U3W2L5



# Next Generation Sunshine State Standards—Middle School

Benchmark	Level I	Level J	Florida Teacher Resource Book
<b>Grade 7 Supporting Idea 4: Geometry and Measurement</b>			
<b>MA.7.G.4.1</b> Determine how changes in dimensions affect the perimeter, area, and volume of common geometric figures, and apply these relationships to solve problems.		U4W4L3	U4W2L5
<b>MA.7.G.4.2</b> Predict the results of transformations, and draw transformed figures with and without the coordinate plane.			
<b>MA.7.G.4.3</b> Identify and plot ordered pairs in all four quadrants of the coordinate plane.	Also: U4W2L3–4	U4W3L3–4, U4W4L2, U4W4L4	U7W1L5
<b>MA.7.G.4.4</b> Compare, contrast, and convert units of measure between different measurement systems (US customary or metric (SI)), dimensions, and derived units to solve problems.	Also: U3W4L4	U5W1L1–3 Also: U5W2L3	
<b>Grade 7 Supporting Idea 5: Number and Operations</b>			
<b>MA.7.A.5.1</b> Express rational numbers as terminating or repeating decimals.	U5W1L1 Also: U1W3L4, U1W4L3-4		U2W2L5
<b>MA.7.A.5.2</b> Solve non-routine problems by working backwards.	Also: U4W1PS, U6W2PS	U3W4PS, U6W2PS	U2W3L5
<b>Grade 7 Supporting Idea 6: Data Analysis</b>			
<b>MA.7.S.6.1</b> Evaluate the reasonableness of a sample to determine the appropriateness of generalizations made about the population.	U6W3L2–4, U6W4L3–4		U5W3L5
<b>MA.7.S.6.2</b> Construct and analyze histograms, stem-and-leaf plots, and circle graphs.	U6W3L1 Also: U6W2L3–4	U6W1L2	U5W2L5
<b>Grade 7 Supporting Idea 7: Probability</b>			
<b>MA.7.P.7.1</b> Determine the outcome of an experiment and predict which events are likely or unlikely, and if the experiment is fair or unfair.	U6W4L1–4	Also: U6W3L1, U6W3L3–4, U6W4L1	U5W4L5
<b>MA.7.P.7.2</b> Determine, compare, and make predictions based on experimental or theoretical probability of independent or dependent events.	U6W4L1–4	Also: U6W3L1–4, U6W4L1–4	U5W4L5



# Next Generation Sunshine State Standards—Middle School

Benchmark	Level I	Level J	Florida Teacher Resource Book
<b>Grade 8 Big Idea 1: Analyze and represent linear functions, and solve linear equations and systems of linear equations.</b>			
<b>MA.8.A.1.1</b> Create and interpret tables, graphs, and models to represent, analyze, and solve problems related to linear equations, including analysis of domain, range, and the difference between discrete and continuous data.		Also: U5W2L2	U7W2L5
<b>MA.8.A.1.2</b> Interpret the slope and the x- and y-intercepts when graphing a linear equation for a real-world problem.		U4W2L4, U4W3L1–2	
<b>MA.8.A.1.3</b> Use tables, graphs, and models to represent, analyze, and solve real-world problems related to systems of linear equations.		U2W1L1–4, U2W2L1–4, U2W3L1–4	U3W4L5
<b>MA.8.A.1.4</b> Identify the solution to a system of linear equations using graphs.		U2W1L1–4, U2W2L1–4, U2W3L1–4	U3W4L5
<b>MA.8.A.1.5</b> Translate among verbal, tabular, graphical and algebraic representations of linear functions.	Also: U2W2L2, U4W1L1–4	U4W1L1, U4W1L3–4, U4W2L2–4, U4W3L1–4 Also: U5W2L2	
<b>MA.8.A.1.6</b> Compare the graphs of linear and non-linear functions for real-world situations.		U4W4L1–4	U7W3L5
<b>Grade 8 Big Idea 2: Analyze two- and three-dimensional figures by using distance and angle.</b>			
<b>MA.8.G.2.1</b> Use similar triangles to solve problems that include height and distances.			U4W4L5
<b>MA.8.G.2.2</b> Classify and determine the measure of angles, including angles created when parallel lines are cut by transversals.	U5W1L1–3		U4W1L5
<b>MA.8.G.2.3</b> Demonstrate that the sum of the angles in a triangle is 180-degrees and apply this fact to find unknown measure of angles and the sum of angles in polygons.	U5W1L4		
<b>MA.8.G.2.4</b> Validate and apply Pythagorean Theorem to find distances in real world situations or between points in the coordinate plane.		U5W4L1–4	U6W3L5



# FLORIDA Next Generation Sunshine State Standards—Middle School

Benchmark	Level I	Level J	Florida Teacher Resource Book
<b>Grade 8 Big Idea 3: Analyze and summarize data sets.</b>			
<b>MA.8.S.3.1</b> Select, organize and construct appropriate data displays, including box and whisker plots, scatter plots, and lines of best fit to convey information and make conjectures about possible relationships.		U6W2L1–4	
<b>MA.8.S.3.2</b> Determine and describe how changes in data values impact measures of central tendency.	Also: U6W1L2–3		U5W1L5
<b>Grade 8 Supporting Idea 4: Algebra</b>			
<b>MA.8.A.4.1</b> Solve literal equations for a specified variable.		U3W4L3–4 Also: U5W2L4	U6W4L5
<b>MA.8.A.4.2</b> Solve and graph one- and two-step inequalities in one variable.	Also: U6W1L3–4	U2W4L2–4, U6W1L1	U7W4L5
<b>Grade 8 Supporting Idea 5: Geometry and Measurement</b>			
<b>MA.8.G.5.1</b> Compare, contrast, and convert units of measure between different measurement systems (US customary or metric (SI)) and dimensions including temperature, area, volume, and derived units to solve problems.		U5W1L1–4 Also: U5W2L3	
<b>Grade 8 Supporting Idea 6: Number and Operations</b>			
<b>MA.8.A.6.1</b> Use exponents and scientific notation to write large and small numbers and vice versa and to solve problems.		U1W3L1–2, U1W4L2	U6W1L5
<b>MA.8.A.6.2</b> Make reasonable approximations of square roots and mathematical expressions that include square roots, and use them to estimate solutions to problems and to compare mathematical expressions involving real numbers and radical expressions.		U1W4L1, U5W4L1–3	U6W2L5
<b>MA.8.A.6.3</b> Simplify real number expressions using the laws of exponents.		U1W3L3-4	
<b>MA.8.A.6.4</b> Perform operations on real numbers (including integer exponents, radicals, percents, scientific notation, absolute value, rational numbers, and irrational numbers) using multi-step and real world problems.	U3W1L1	Also: U2 PS, U3 PS, U5 PS	U1W4L5