

Florida Standards - Fourth Grade Math	Stickybear Math Word Problems	Stickybear's Math Splash	Town	MiddleWare Math Word Problems Travel	MiddleWare Math Word Problems Careers	MiddleWare Math Word Problems Sports	MiddleWare Math Word Problems Money	Math Mentor Series Addition & Subtraction	Multiplication & Division	Math Mentor Series Fractions & Decimals	Math Test Generator
NUMBER SENSE, CONCEPTS, AND OPERATIONS											
The student understands the different ways numbers are represented & used in the real world	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>names whole numbers combining 3-digit numeration & the use of number periods, such as ones, thousands, & millions & associates verbal names, written word names, & standard numerals with whole numbers, commonly used fractions, decimals & percents</i>		✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>understands the relative size of whole numbers, commonly used fractions, decimals, & percents</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>understands concrete & symbolic representations of whole numbers, fractions, decimals, & percents in real-world situations</i>	✓	✓		✓	✓	✓	✓	✓	✓	✓	
<i>understands that numbers can be represented in a variety of equivalent forms using whole numbers, decimals, fractions & percents</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
The student understands number systems			✓								
<i>uses place-value concepts of grouping based upon powers of ten within the decimal number system</i>			✓								
<i>recognizes & compares the decimal number system to the structure of other number systems such as the Roman numeral system or bases other than ten</i>			✓								
The student understands the effects of operations on numbers & the relationships among these operations, selects appropriate operations, & computes for problem solving	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

<i>understands & explains the effects of addition, subtraction, & multiplication on whole numbers, decimals, & fractions, including mixed numbers, & the effects of division on whole numbers, including the inverse relationship of multiplication & division</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>selects the appropriate operation to solve specific problems involving addition, subtraction, & multiplication of whole numbers, decimals, & fractions, & division of whole numbers</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>adds, subtracts, & multiplies whole numbers, decimals, & fractions, including mixed numbers & divides whole numbers to solve real-world problems, using appropriate methods of computing, such as mental mathematics, paper, pencil, & calculator</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
The student uses estimation in problem solving and computation			✓								
<i>uses & justifies different estimation strategies in a real-world problem situation & determines the reasonableness of results of calculations in</i>			✓								
The student understands and applies theories related to numbers	✓	✓	✓	✓	✓	✓	✓				
<i>understands & applies basic number theory concepts, including primes, composites, factors, and multiples</i>	✓	✓	✓	✓	✓	✓	✓				
MEASUREMENT											
The student measures quantities in the real world & uses the measures to solve problems		✓	✓								
<i>uses concrete & graphic models to develop procedures for solving problems related to measurement including length, weight, time, temperature, perimeter, area, volume, & angle</i>		✓	✓								
<i>solves real-world problems involving length, weight, perimeter, area, capacity, volume, time, temperature, & angles</i>		✓	✓								
The student compares, contrast, & converts within systems of measurement (both standard/nonstandard & metric/customary)		✓									
<i>uses direct and indirect measures to calculate and compare measurable characteristics</i>		✓									
<i>selects & uses appropriate standard & nonstandard units of measurement, according to type and size</i>		✓									
The student estimates measurements in real-world problem situations			✓								

<i>solves real-world problems involving estimates of measurements, including length, time, weight, temperature, money, perimeter, area, & volume</i>			✓								
The student selects & uses appropriate units & instruments for measurement to achieve the degree of precision & accuracy required in real-world situations	✓	✓									
<i>determines which units of measurement, such as seconds, square inches, dollars per tankful, to use with answers to real-world problems</i>	✓	✓									
<i>selects & uses appropriate instruments & technology, including scales, rulers, thermometers, measuring cups, protractors, & gauges, to</i>		✓									
GEOMETRY AND SPATIAL SENSE											
The student describes, draws, identifies, & analyzes two-and three-dimensional shapes											
<i>given a verbal description, draws &/or models two- & three-dimensional shapes & uses appropriate geometric vocabulary to write a description of a figure or a picture composed of geometric figures</i>											
The student visualizes & illustrates ways in which shapes can be combined, subdivided and changed											
<i>understands the concepts of spatial relationships, symmetry, reflections, congruency, & similarity</i>											
<i>predicts, illustrates, & verifies which figures could result from a flip, slide, or turn of a given figure</i>											
The student uses coordinate geometry to locate objects in both two & three dimensions & to describe objects algebraically											
<i>represents & applies a variety of strategies & geometric properties & formulas for two & three-dimensional shapes to solve real-world & mathematical problems</i>											
<i>identifies & plots positive ordered pairs in a rectangular coordinate system (graph)</i>											
ALGEBRAIC THINKING											
The student describes, analyzes, & generalizes a wide variety of patterns, relations, & functions		✓		✓	✓	✓	✓				

<i>describes a wide variety of patterns & relationships through models, such as manipulative tables, graphs, rules using algebraic symbols</i>	✓		✓	✓	✓	✓				
<i>generalizes a pattern relation, or function to explain how t change in one quantity results in change in another</i>	✓		✓	✓	✓	✓				
The student uses expressions, equations, inequalities, graphs, and formulas to represent & interpret situation	✓						✓	✓	✓	
<i>represents a given simple problem situation using diagrams, models, and symbolic expressions translated from verbal phrases, or verbal phrases translated from symbolic expression, etc;</i>										
<i>uses informal methods, such as physical models & graphs to solve real-world problems involving equations and inequalities</i>	✓						✓	✓	✓	
DATA ANALYSIS AND PROBABILITY										
The student understands & uses the tools of data analysis for managing information	✓									
<i>solves problems by generating, collecting, organizing, displaying, & analyzing data using histograms, bar graphs, circle graphs, line graphs, pictographs, and charts</i>	✓									
<i>determine range, mean, median, & mode from sets of data</i>										
<i>analyzes real-world data to recognize patterns & relationships of the measures of central tendency using tables, charts, histograms, bar graphs, line graphs, pictographs, circle graphs generated by appropriate technology, including calculators & computers</i>	✓									
The student identifies patterns & makes predictions from an orderly display of data using concepts of probability & statistics										
<i>uses models, such as tree diagrams, to display possible outcomes & to predict events</i>										
<i>predicts the likelihood of simple events occurring</i>										
The student uses statistical methods to make inferences & valid arguments about real-world situations	✓									
<i>designs experiments to answer class or personal questions, collects, information, & interprets the results using statistics & pictographs, charts, bar graphs, circle graphs, & line graphs</i>	✓									
<i>uses statistical data about life situations to make predictions and justifies reasoning</i>										