

Mathematics-4th grade				
<i>Essential Skill Component</i>	<i>Standard</i>	<i>Sub Component</i>	<i>Mathematical Practices</i>	<i>Quarterly Focus</i>
Mathematical Reasoning				
Applies strategies to solve problems	4.MP.1, 4.MP.2, 4.MP.4, 4.MP.5, 4.MP.7, 4.MP.8, 4.OA.2, 4.OA.3, 4.NF.3, 4.NF.4, 4.MD.2		4.MP.1, 4.MP.2, 4.MP.3, 4.MP.4, 4.MP.5, 4.MP.6, 4.MP.7, 4.MP.8	Integrate throughout all 4 quarters Solve problems involving measurement and geometry
Communicates mathematical thinking, using math vocabulary	Embedded throughout 4th grade Common Core Standards for Mathematics and Language Arts		4.MP.3, 4.MP.6	Integrate throughout all 4 quarters Vocabulary: angle, acute angle, obtuse angle, right angle, right triangle, acute triangle, obtuse triangle, line, line of symmetry, parallel lines, perpendicular lines, ray, point, line segment, center, endpoint, protractor, line plot, degrees
Operations and Algebraic Thinking				
Uses four operations with whole numbers to solve problems	4.OA.2, 4.OA.3, 4.OA.5		4.MP.1, 4.MP.2, 4.MP.4, 4.MP.7, 4.MP.8	Review as needed
Multiplies whole numbers	4.OA.1, 4.NBT.5		4.MP.1, 4.MP.2, 4.MP.4, 4.MP.7, 4.MP.8	Review as needed
Divides whole numbers	4.NBT.6		4.MP.1, 4.MP.2, 4.MP.4, 4.MP.7, 4.MP.8	Review as needed
Identifies factors and multiples in numbers 1-100	4.OA.4		4.MP.2, 4.MP.7, 4.MP.8	Assessed in 2nd quarter Review as needed
Solves multi-step word problems	4.OA.3		4.MP.1, 4.MP.2, 4.MP.3, 4.MP.4, 4.MP.5, 4.MP.6, 4.MP.7, 4.MP.8	Solve problems: using drawings, equations, estimation, rounding Review as needed
Number Sense and Operations in Base Ten				
Demonstrates an understanding of place value to one million	4.NBT.1, 4.NBT.2, 4.NBT.3		4.MP.3, 4.MP.5, 4.MP.6	Review as needed Assessed in 1st quarter
Performs four operations with multi-digit numbers	4.NBT.4, 4.NBT.5, 4.NBT.6		4.MP.1, 4.MP.2, 4.MP.4, 4.MP.7, 4.MP.8	Review as needed
Number Sense and Operations-Fractions				
Demonstrates an understanding of fractions equivalence	4.NF.1		4.MP.2, 4.MP.3, 4.MP.7, 4.MP.8	Review as needed
Compares and orders fractions	4.NF.2		4.MP.1, 4.MP.2, 4.MP.7, 4.MP.8	Review as needed
Adds and subtracts fractions with like denominators	4.NF.3	4.NF.3a, 4.NF.3b, 4.NF.3d	4.MP.1, 4.MP.2, 4.MP.4, 4.MP.7, 4.MP.8	Review as needed
Adds and subtracts mixed numbers with like denominators	4.NF.3	4.NF.3c, 4.NF.3d	4.MP.1, 4.MP.2, 4.MP.4, 4.MP.7, 4.MP.8	Review as needed
Solves word problems involving multiplication of a fraction by a whole number	4.NF.4	4.NF.4a, 4.NF.4b, 4.NF.4c	4.MP.1, 4.MP.2, 4.MP.3, 4.MP.4, 4.MP.5, 4.MP.6, 4.MP.7, 4.MP.8	Review as needed

Demonstrates an understanding of the relationship between fractions and decimals	4.NF.5, 4.NF.6, 4.NF.7		4.MP.1,4.MP.2, 4.MP.3, 4.M.P4,4.MP.5,4.MP.6, 4.MP.7,4.M.P.8	Review as needed
Measurement and Data				
Uses the four operations to solve problems involving measurement (such as distance, time, volume, mass, money, and simple fractions, decimals, area and perimeter)	4.MD.2, 4.MD.3		4.MP.1,4.MP.2, 4.M.P4,4.MP.7,4.M.P.8	Assess all components except area and perimeter in 4th quarter Area and perimeter assessed in 2nd quarter Represent measurement quantities using diagrams
Converts units of measure within one system (including km, m, cm; kg, g, lb, oz; l, ml, hr, min, sec)	4.MD.1		4.MP.1,4.MP.2, 4.M.P4,4.MP.7,4.M.P.8	Metric Measurement assessed in 1st quarter Customary Measurement assessed in 4th quarter
Represents and interprets data, using a line plot	4.MD.4		4.MP.2, 4.MP.4	Create and analyze a line plot to display data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$) Apply line plot information to add or subtract fractions to solve a problem
Measures, sketches, and adds angles in degrees, using a protractor	4.MD.5, 4.MD.6, 4.MD.7	4.MD.5a, 4.MD.	4.MP.2, 4.MP.4, 4.MP.5, 4.MP.6	Understand concepts of angle measurement with reference to a circle Find the measurement of a missing angle Use a protractor to measure and sketch angles Solve addition and subtraction word problems to find unknown angles
Geometry				
Draws points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines	4.G.1		4.MP.2, 4.MP.4, 4.MP.5, 4.MP.6	Identify these concepts in two-dimensional figures
Classifies shapes based on lines and angles (parallel, perpendicular, and symmetrical)	4.G.2, 4.G.3, 4.MD.5		4.MP1, 4.MP.2, 4.MP3, 4.MP.5, 4.MP.6,	Classify two-dimensional figures using lines and angles Identify right angles Recognize, identify, and draw a line of symmetry