

## GRADE 6 MATH CURRICULUM MAP 2007-2008

September	October	November	December	January
<p><b>6:1</b> TLW demonstrate division of fractions as the inverse of multiplication, fluently multiply and divide any two fractions, write a mathematical statement to represent a situation involving division of fractions, and solve for the unknown</p>	<p><b>6:2</b> TLW order, add, subtract, multiply, and divide positive rational numbers and translate between rational forms (fractions and decimals).</p>	<p><b>6:2</b> TLW order, add, subtract, multiply, and divide positive rational numbers and translate between rational forms (fractions and decimals). <b>6:3</b> TLW estimate and calculate sums, differences, products, and quotients of positive rational numbers in applied situations.</p>	<p><b>6:3</b> TLW estimate and calculate sums, differences, products, and quotients of positive rational numbers in applied situations <b>6:4</b> TLW explain the meaning of integers, absolute values, and fractions (including positive and negative fractions) and compute with integers to solve problems.</p>	<p><b>6:5</b> TLW understand and use integer exponents and express numbers in scientific notation. <b>6:6</b> TLW find equivalent ratios, percentages and proportions to solve real-life situations.</p>
February	March	April	May	June
<p><b>6:7</b> TLW write an algebraic expression or equation related to a given situation, simplify expressions of the first degree, and evaluate expressions using specific values. <b>6:8</b> TLW understand and use properties of equations to solve equations of the form <math>ax + b = c</math> and solve contextual problems. <b>6:9</b> TLW plot ordered pairs, use ordered pairs to graph linear equations, write equations for linear functions of the form <math>y = mx</math>, and represent simple relationships between quantities.</p>	<p><b>6:8</b> TLW understand and use properties of equations to solve equations of the form <math>ax + b = c</math> and solve contextual problems. <b>6:9</b> TLW plot ordered pairs, use ordered pairs to graph linear equations, write equations for linear functions of the form <math>y = mx</math>, and represent simple relationships between quantities.</p>	<p><b>6:10</b> TLW convert between basic units of measurement within the metric or customary systems. <b>6:11</b> TLW construct circles with given diameters or radii, measure the diameter and radius of given circles, determine circumferences, and use a grid to determine areas. <b>6:12</b> TLW construct nets for cubes and rectangular prisms and compute the surface area and volume of cubes and rectangular prisms using formulas.</p>	<p><b>6:13</b> TLW understand and apply basic properties of lines, angles, triangles, and congruence of polygons; use paper folding for geometric construction; and solve problems. <b>6:14</b> TLW perform the basic rigid motions in the plane (transformations such as rotations, reflections, translations), relate them to congruence, and apply them to solve problems. <b>6:15</b> TLW read and interpret circle graphs, gather data, construct graphs, and formulate sentences to state conclusions with will include the use of mean, median, mode, and range in real-life situations.</p>	<p><b>6:15</b> TLW read and interpret circle graphs, gather data, construct graphs, and formulate sentences to state conclusions with will include the use of mean, median, mode, and range in real-life situations. <b>6:16</b> TLW express probabilities as fractions, decimals, and percentages between 0 and 1, inclusive; determine probabilities empirically from simple experiments; and compute probabilities theoretically by listing all possibilities.</p>