

GRADE 4 MATH CURRICULUM MAP 2007-2008

September	October	November	December	January
<p>4:1 Students will read, write, order, and compare numbers to the quantities they represent, and compose and decompose numbers using place value through millions.</p> <p>4:3 Students will demonstrate the use of the distributive property, multiply fluently any whole number by a one-digit number and a three-digit number by a two-digit number, and solve applied problems.</p>	<p>4:2 Students will find all factors of a whole number up to 50, list the first ten multiples of a given one-digit whole number, identify prime and composite numbers, and solve problems.</p> <p>4:3 See September.</p>	<p>4:2 See October.</p> <p>4:4 Students divide numbers up to four digits by one-digit numbers and by ten, use the inverse operation (multiplication) to check solutions, find unknowns in division equations, and solve applied division problems.</p> <p>4:5 Students will read, write, interpret and compare decimals through hundredths, relate decimals to money and place value decomposition, identify decimal equivalents for halves and fourths, and solve problems</p>	<p>4:5 See November.</p> <p>4:12 Students will use formulas to calculate perimeter and area of rectangles and combinations of rectangular shapes, measure surface area of cubes and rectangular prisms, and solve contextual problems.</p>	<p>4:6 Students will understand fractions as parts of a set of objects; explain why equivalent fractions are equal; locate, compare, and order fractions on a number line; understand relationships among fractions; and write improper fractions as mixed numbers.</p> <p>4:7 Students will solve problems involving the addition and subtraction of fractions with like denominators or where one denominator is a multiple of the other and solve for the unknown (variable) in addition and subtraction of fractions less than 1 and with like denominators.</p>
February	March	April	May	June
<p>4:7 See January.</p> <p>4:11 Students will measure to a reasonable degree of precision using common tools, select appropriate units of measure, and convert one unit of measure to a larger or smaller unit of measure using simple calculations.</p>	<p>4:8 Using repeated addition and area or array models, students will multiply fractions by whole numbers and solve applied problems.</p> <p>4:13 Students will identify basic two-dimensional and three-dimensional geometric shapes and use their properties to solve problems.</p>	<p>4:9 Students will add and subtract decimals, multiply and divide decimals by a one-digit whole number where the result is a terminating decimal, and solve applied problems.</p> <p>4:14 Students will recognize symmetry and transformations of two-dimensional shapes and objects.</p>	<p>4:10 Students will solve applied problems using the four basic arithmetic operations fluently; estimate sums, differences, products, and quotients; know when an estimation or approximation is appropriate and reasonable; and make estimations and calculations fluently using mental math strategies.</p> <p>4:15 Students will order a given set of data, find the median and specify the range of values, construct tables and bar graphs from given data, and solve problems using data represented in tables and bar graphs.</p>	<p>4:15 See May.</p>