

# CURRICULUM MAP

Subject: Math Grade: 3rd Quarter: 3rd SY 16-17

Month <i>January-March</i>	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5
<b>Concept (CCSS Standards)</b>	<p><b>3.MD.5.a</b> Recognize area as an attribute of plane figures and understand concepts of area measurement. A. A square with side length 1 unit, called “a unit square,” is said to have “one square unit” of area, and can be used to measure area.</p> <p><b>3.MD.5b</b> Recognize area as an attribute of plane figures and understand concepts of area measurement. B. A plane figure which can be covered without gaps or overlaps by <math>n</math> unit squares is said to have an area of <math>n</math> square units.</p> <p><b>3.MD.6</b> Measure <b>areas</b> by counting unit squares (square cm, square m, square in, square ft, and improvised units).</p>	<p>3.MD.7.b Relate area to the operations of multiplication and addition. b. Multiply side lengths to find areas of rectangles with whole-number side lengths in the context of solving real world and mathematical problems, and represent whole-number products as rectangular areas in mathematical reasoning.</p> <p>3.MD.7.c Relate area to the operations of multiplication and addition. c. Use tiling to show in a concrete case that the area of a rectangle with whole-number side lengths <math>a</math> and <math>b + c</math> is the sum of <math>a \times b</math> and <math>a \times c</math>. Use area models to represent the distributive property in mathematical reasoning.</p> <p>3.MD.7.d- Relate area to the operations of multiplication and addition. d. Recognize area as additive. Find areas of rectilinear figures by decomposing them into non-overlapping rectangles and adding the areas of the non-overlapping parts, applying this technique to solve real world problems.</p>	<p><b>3.MD.8</b> Solve real world and mathematical problems involving <b>perimeters</b> of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same perimeter and different areas or with the same area and different perimeters.</p>	<p>3.MD.1 Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g. by representing the problem on a number line diagram</p>	<p>3.MD.1 Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g. by representing the problem on a number line diagram</p>
<b>Skill and Key Concepts</b>	<p>Understanding the concept of area Finding area using square units</p>	<p>Finding area and perimeter Solve problems using appropriate strategies</p>	<p>Finding the area and perimeter Multiplication Addition and Subtraction Problem Solving</p>	<p>Telling time to the nearest minute Time intervals – Elapsed Time</p>	<p>Telling time to the nearest minute Time intervals – Elapsed Time</p>

<b>Assessment</b>	Drill and Practice Math Facts Group work Independent worksheets Quiz/Test	Drill and Practice Math Facts Group work Independent worksheets Quiz/Test	Drill and Practice Math Facts Group work Independent worksheets Quiz/Test	Drill and Practice Math Facts Group work Independent worksheets Quiz/Test	Drill and Practice Math Facts Group work Independent worksheets Quiz/Test
<b>Resources/ Materials</b>	DI Materials/Merrill Mathematics  Common Core worksheets  Online Resources & worksheets	DI Materials/Merrill Mathematics  Common Core worksheets  Online Resources & worksheets	DI Materials/Merrill Mathematics  Common Core worksheets  Online Resources & worksheets	DI Materials/Merrill Mathematics  Common Core worksheets  Online Resources & worksheets	DI Materials/Merrill Mathematics  Common Core worksheets  Online Resources & worksheets

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Month January-March	WEEK 6	WEEK 7	WEEK 8	WEEK 9
<b>Concept (CCSS Standards)</b>	<b>3.MD.1</b> Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g. by representing the problem on a number line diagram	<b>3.MD.3</b> Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs.	3.OA.2- Interpret whole-number quotients of whole numbers, e.g., interpret $56 \div 8$ as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each. For example, describe a context in which a number of shares or a number of groups can be expressed as $56 \div 8$ .  3.OA.3 Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.	3.OA.2- Interpret whole-number quotients of whole numbers, e.g., interpret $56 \div 8$ as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each. For example, describe a context in which a number of shares or a number of groups can be expressed as $56 \div 8$ .  3.OA.3 Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.
<b>Skill and Key Concepts</b>	Telling time to the nearest minute Time intervals – Elapsed Time	Representing Data on a Graph Reading Scaled Graphs	Multiplication and Division of whole numbers in context  Solve problems using appropriate strategies	Multiplication and Division of whole numbers in context  Solve problems using appropriate strategies
<b>Assessment</b>	Drill and Practice Math Facts Group work Independent worksheets Quiz/Test	Drill and Practice Math Facts Group work Independent worksheets Quiz/Test	Drill and Practice Math Facts Group work Independent worksheets Quiz/Test	Drill and Practice Math Facts Group work Independent worksheets Quiz/Test
<b>Resources/ Materials</b>	DI Materials/Merrill Mathematics  Common Core worksheets  Online Resources & worksheets	DI Materials/Merrill Mathematics/ Mathematics Plus  Common Core worksheets  Online Resources & worksheets	DI Materials/Merrill Mathematics  Common Core worksheets  Online Resources & worksheets	DI Materials/Merrill Mathematics  Common Core worksheets  Online Resources & worksheets