

## 4<sup>th</sup> Grade Curriculum Map 2017-18

MONTH	UNIT/ CONTENT	CORE GOALS/SKILLS	STANDARDS WRITTEN ASSESSMENTS	ROUTINES RESOURCES	VOCABULARY
<p><b>September</b></p> <p>Chapter 1</p> <p><b>8 days</b></p>	<p><b>NUMBERS AND OPERATIONS IN BASE TEN</b></p> <p>WORKING WITH WHOLE NUMBERS</p>	<p><b>Big Idea:</b> Read, compare, and order numbers according to the place value of their digits. Also, learn to add and subtract multi-digit numbers.</p> <p>Write numbers to 100,000 in standard form, word form, and expanded form.</p> <p>Compare and order numbers to 100,000. Identify how much greater or less one number is than another number. Find the rule in a number pattern.</p> <p>Add whole numbers to 100,000 using the standard algorithm. Add multi-digit numbers with and without regrouping. Subtract whole numbers to 100,000 using the algorithm. Subtract multi-digit numbers with and without regrouping.</p> <p><b>Thinking Skills:</b> Spatial visualization Comparing</p>	<p>CC.2.1.4.B.1 Apply place value concepts to show an understanding of multi-digit whole numbers.</p> <p>CC.2.2.4.A.4 Generate and analyze patterns using one rule.</p> <p>CC.K-12.MP.1 Solve problems and persevere in solving them</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively</p> <p>CC.K-12.MP.3 Construct viable arguments and critique the reasoning of others</p> <p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.5 Use appropriate tools strategically</p> <p>CC.K-12.MP.6 Attend to precision</p> <p>CC.K-12.MP.7 Look for and make use of structure</p> <p>CC.K-12.MP.8 Look for and express regularity in repeated reasoning</p> <p><i>Math in Focus</i> Chapter 1 Assessment</p> <p>C Day Fact Fluency checks</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>ten thousand hundred thousand standard form word form expanded form</p> <p>greater than (&gt;) less than (&lt;) greatest least order</p>

<p>Chapter 2 <b>12 days</b></p>	<p>ESTIMATION AND NUMBER THEORY</p>	<p><b>BIG IDEA:</b> When two factors are multiplied, the product is a multiple of both numbers. Knowing factors and multiples of numbers can help in estimating products and quantities.</p> <p>Round numbers to estimate sums, differences, products, and quotients. Estimate to check that an answer is reasonable. Decide whether an estimate or an exact answer is needed.</p> <p>Find the common factors and greatest common factor of two whole numbers. Identify prime numbers and composite numbers.</p> <p>Find multiples of whole numbers. Find common multiples and the least common multiple of two or more numbers.</p> <p>Multiply a 2-digit number by a 1-digit number using an array model and an area model</p> <p><b>Problem Solving Strategy:</b> Eliminating options Making a systematic list</p>	<p>CC.2.1.4.B.1 Apply place value concepts to show an understanding of multi-digit whole numbers.</p> <p>CC.2.1.4.B.2 Use place-value understanding and properties of operations to perform multi-digit arithmetic.</p> <p>CC.2.2.4.A.4 Generate and analyze patterns using one rule.</p> <p>CC.K-12.MP.1 Solve problems and persevere in solving them</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively</p> <p>CC.K-12.MP.3 Construct viable arguments and critique the reasoning of others</p> <p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.5 Use appropriate tools strategically</p> <p>CC.K-12.MP.6 Attend to precision</p> <p>CC.K-12.MP.7 Look for and make use of structure</p> <p>CC.K-12.MP.8 Look for and express regularity in repeated reasoning</p> <p><i>Math in Focus</i> Chapter 2 Assessment</p> <p>C Day Fact Fluency checks</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>multiple common multiple least common multiple array model area model</p>
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<p><b>October</b></p> <p>Chapter 3</p> <p><b>12 days</b></p>	<p>WHOLE NUMBER MULTIPLICATION AND DIVISION</p>	<p><b>BIG IDEA:</b> Place value is used to multiply and divide multi-digit numbers. Estimation can be used to check the reasonableness of an answer.</p> <p>Use different methods to multiply up to 4-digit numbers by 1-digit numbers, with or without regrouping.</p> <p>Multiply by 2-digit numbers, with or without regrouping. Estimate products</p> <p>Model regrouping in division. Divide a 3-digit number by a 1-digit number with regrouping.</p> <p>Divide up to a 4-digit number by a 1-digit number with regrouping, and with or without remainders. Estimate quotients.</p> <p>Solve real-world problems. Solve multi-step real-world problems using the four operations. Represent real-world problems with a letter standing for the unknown quantity.</p> <p><b>Problem Solving Strategies:</b> Use a diagram/model</p>	<p>CC.2.1.4.B.1 Apply place value concepts to show an understanding of multi-digit whole numbers.</p> <p>CC.2.1.4.B.2 Use place-value understanding and properties of operations to perform multi-digit arithmetic.</p> <p>CC.2.2.4.A.1 Represent and solve problems involving the four operations.</p> <p>CC.K-12.MP.1 Solve problems and persevere in solving them</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively</p> <p>CC.K-12.MP.3 Construct viable arguments and critique the reasoning of others</p> <p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.5 Use appropriate tools strategically</p> <p>CC.K-12.MP.6 Attend to precision</p> <p>CC.K-12.MP.7 Look for and make use of structure</p> <p>CC.K-12.MP.8 Look for and express regularity in repeated reasoning</p> <p><i>Math in Focus</i> Chapter 3 Assessment</p> <p>C Day Fact Fluency checks</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>round estimate product regroup quotient remainder</p>
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<p>Chapter 4</p> <p><b>12 days</b></p>	<p><b>MEASUREMENT AND DATA</b></p> <p>TABLES AND LINE GRAPHS</p>	<p><b>BIG IDEA:</b> Graphs and tables are visual tools for showing and analyzing data.</p> <p>Collect, organize, and interpret data in a table. Create a table from data in a tally chart and a bar graph</p> <p>Read and interpret data in a table, using rows, columns, and intersections.</p> <p>Make, read, and interpret line graphs. Choose an appropriate graph to display a given data set.</p> <p><b>Thinking Skill:</b> Comparing Identifying relationships</p>	<p>CC.K-12.MP.1 Solve problems and persevere in solving them</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively</p> <p>CC.K-12.MP.3 Construct viable arguments and critique the reasoning of others</p> <p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.5 Use appropriate tools strategically</p> <p>CC.K-12.MP.6 Attend to precision</p> <p>CC.K-12.MP.7 Look for and make use of structure</p> <p><i>Math in Focus</i> Chapter 4 Assessment</p> <p>C Day Fact Fluency checks</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>data tally chart table row column intersection line graph horizontal axis vertical axis</p>
<p><b>November</b></p> <p>Chapter 5</p> <p><b>10 days</b></p>	<p>DATA AND PROBABILITY</p>	<p><b>BIG IDEA:</b> Information can be analyzed to find a typical value for a data set. Data can be analyzed to predict the likelihood of an event happening.</p> <p>Describe a data set using the average or mean.</p> <p>Find the mean, median, mode, and range of a set of data. Make and interpret line plots.</p> <p>Organize and represent data in a stem-and-leaf plot. Use a stem-and-leaf plot to find median, mode, and range.</p>	<p>CC.2.1.4.C.1 Extend the understanding of fractions to show equivalence and ordering.</p> <p>CC.2.2.4.A.1 Represent and solve problems involving the four operations.</p> <p>CC.K-12.MP.1 Solve problems and persevere in solving them</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively</p> <p>CC.K-12.MP.3 Construct viable arguments and critique the reasoning of others</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin</p>	<p>average mean</p> <p>median mode range line plot</p> <p>stem-and-leaf plot outlier</p> <p>outcome certain more likely equally likely less likely impossible</p>

		<p>Decide whether an outcome is certain, more likely, equally likely, less likely or impossible.</p> <p>Determine the probability of an event. Express probability as a fraction.</p> <p>Sole real-world problems involving probability and measures of central tendency.</p> <p><b>Thinking Skill:</b> Classifying</p> <p><b>Problem Solving Strategy:</b> Make a systematic list</p>	<p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.6 Attend to precision.</p> <p>CC.K-12.MP.8 Look for and express regularity in repeated reasoning</p> <p><i>Math in Focus</i> Chapter 5 Assessment</p> <p>C Day Fact Fluency checks</p>	Harcourt	favorable outcome probability
<p><b>December</b></p> <p>Chapter 6</p> <p><b>15 days</b></p>	<p><b>NUMBERS and OPERATIONS FRACTIONS</b></p> <p>FRACTIONS AND MIXED NUMBERS</p>	<p><b>BIG IDEA:</b> Fractions and mixed numbers are used to name wholes and parts of a whole. Fractions and mixed numbers can be added and subtracted.</p> <p>Find equivalent fractions Add unlike fractions</p> <p>Find equivalent fractions Subtract unlike fractions</p> <p>Write a mixed number for a model Draw a model to represent mixed numbers.</p> <p>Write an improper fraction for a model. Express mixed numbers as improper fractions.</p> <p>Use multiplication and division to rename improper fractions and mixed numbers.</p> <p>Add fractions to get mixed number sums. Subtract fractions from whole numbers.</p>	<p>CC.2.1.4.C.1 Extend the understanding of fractions to show equivalence and ordering.</p> <p>CC.2.1.4.C.2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.</p> <p>CC.2.4.4.A.1 Solve problems involving measurement and conversions from a larger unit to a smaller unit.</p> <p>CC.2.4.4.A.4 Represent and interpret data involving fractions using information provided in a line plot.</p> <p>CC.K-12.MP.1 Solve problems and persevere in solving them</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively</p> <p>CC.K-12.MP.3 Construct viable arguments and critique the reasoning of others</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>numerator</p> <p>denominator</p> <p>equivalent fraction</p> <p>unlike fraction</p> <p>mixed number</p> <p>simplest form</p> <p>improper fraction</p> <p>fraction bar</p> <p>division rule</p> <p>multiplication rule</p>

		<p>Use a bar model to represent a fraction of a set. Find a fractional part of a number. Multiply a fraction and a whole number.</p> <p>Solve real-world problems involving fractions.</p>	<p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.6 Attend to precision</p> <p>CC.K-12.MP.7 Look for and make use of structure</p> <p><i>Math in Focus</i> Chapter 6 Assessment</p> <p>C Day Fact Fluency checks</p>		
<p><b>January</b></p> <p>Chapter 7</p> <p><b>15 days</b></p>	DECIMALS	<p><b>BIG IDEA:</b> Decimals are another way to show amounts that are parts of a whole. A decimal has a decimal point to the right of the ones place and digits to the right of the decimal point.</p> <p>Read and write tenths in decimal and fractional forms. Represent and interpret tenths models.</p> <p>Read and write hundredths in decimal and fractional forms. Represent and interpret hundredths models.</p> <p>Compare and order decimals. Complete number patterns.</p> <p>Round decimals to the nearest whole number or tenth.</p> <p>Express a fraction as a decimal and a decimal as a fraction.</p> <p><b>Thinking Skills:</b> Analyzing parts of a whole. Comparing</p>	<p>CC.2.1.4.C.3 Connect decimal notation to fractions and compare decimal fractions (base 10 denominator, e.g. 19/100).</p> <p>CC.2.2.4.A.4 Generate and analyze patterns using one rule.</p> <p>CC.2.4.4.A.1 Solve problems involving measurement and conversions from a larger unit to a smaller unit.</p> <p>CC.K-12.MP.1 Solve problems and persevere in solving them</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively</p> <p>CC.K-12.MP.3 Construct viable arguments and critique the reasoning of others</p> <p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.6 Attend to precision</p> <p>CC.K-12.MP.7 Look for and make use of structure</p> <p>CC.K-12.MP.8 Look for and express regularity in repeated reasoning</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>tenth decimal form decimal point expanded form</p> <p>hundredth placeholder zero</p> <p>more than less than greater than least greatest order</p> <p>round</p> <p>equivalent fraction</p>

			<p><i>Math in Focus</i> Chapter 7 Assessment</p> <p>C Day Fact Fluency checks</p>		
<p><b>End Jan. - February</b></p> <p>Chapter 8</p> <p><b>9 days</b></p>	<p>ADDING AND SUBTRACTING DECIMALS</p>	<p><b>BIG IDEA:</b> Decimals can be added and subtracted in the same ways as whole numbers.</p> <p>Add decimals up to two decimal places.</p> <p>Subtract decimals up to two places.</p> <p>Solve real-world problems involving addition and subtraction of decimals.</p> <p><b>Thinking Skill:</b> Logical reasoning</p> <p><b>Problem Solving Strategy:</b> Use guess and check.</p>	<p>CC.2.1.4.B.1 Apply place value concepts to show an understanding of multi-digit whole numbers.</p> <p>CC.2.1.4.B.2 Use place-value understanding and properties of operations to perform multi-digit arithmetic.</p> <p>CC.2.4.4.A.1 Solve problems involving measurement and conversions from a larger unit to a smaller unit.</p> <p>CC.K-12.MP.1 Solve problems and persevere in solving them</p> <p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.7 Look for and make use of structure</p> <p>CC.K-12.MP.8 Look for and express regularity in repeated reasoning</p> <p><i>Math in Focus</i> Chapter 8 Assessment</p> <p>C-Day Fact Fluency check</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	

<p><b>February</b></p> <p>Chapter 9</p> <p><b>10 days</b></p>	<p><b>GEOMETRY</b></p> <p>ANGLES</p>	<p><b>BIG IDEA:</b> Angles can be seen and measured when two rays or sides of a shape meet.</p> <p>Estimate and measure angles with a protractor. Estimate whether the measure of an angle is less than or greater than a right angle. (<math>90^\circ</math>).</p> <p>Use a protractor to draw acute and obtuse angles.</p> <p>Relate <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math> and <math>\frac{3}{4}</math> and full turns to the number of right angles (<math>90^\circ</math>). Understand what an angle measure of <math>1^\circ</math> represents. Find unknown angle measures using addition or subtraction. Solve real-world problems by finding unknown angle measures.</p> <p><b>Thinking Skill:</b> Spatial visualization Comparing</p> <p><b>Problem Solving Strategy:</b> Act it out</p>	<p>CC.2.4.4.A.6 Measure angles and use properties of adjacent angles to solve problems.</p> <p>CC.2.3.4.A.1 Draw lines and angles and identify these in two-dimensional figures.</p> <p>CC.K-12.MP.1 Solve problems and persevere in solving them.</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively</p> <p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.5 Use appropriate tools strategically</p> <p>CC.K-12.MP.6 Attend to precision</p> <p><i>Math in Focus</i> Chapter 9 Assessment</p> <p>C-Day Fact Fluency Checks</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>ray vertex protractor degrees inner scale outer scale acute angle obtuse angle straight angle</p> <p>turn</p>
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<p>February</p> <p>Chapter 10</p> <p><b>9 days</b></p>	<p><b>MEASUREMENT AND DATA</b></p> <p>PERPENDICULAR AND PARALLEL LINE SEGMENTS</p>	<p><b>BIG IDEA:</b> Line segments can go up and down, from side to side, and in every direction.</p> <p>Draw perpendicular line segments.</p> <p>Draw parallel line segments.</p> <p>Identify horizontal and vertical lines.</p> <p><b>Thinking Skills:</b> Spatial visualization</p> <p><b>Problem Solving Strategy:</b> Act it out</p>	<p>CC.2.3.4.A.1 Draw lines and angles and identify these in two-dimensional figures.</p> <p>CC.2.3.4.A.2 Classify two-dimensional figures by properties of their lines and angles.</p> <p>CC.K-12.MP.1 Solve problems and persevere in solving them</p> <p>CC.K-12.MP.3 Construct viable arguments and critique the reasoning of others</p> <p>CC.K-12.MP.5 Use appropriate tools strategically.</p> <p>CC.K-12.MP.6 Attend to precision.</p> <p><i>Math in Focus</i> Chapter 10 Assessment</p> <p>C-Day Fact Fluency Check</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>perpendicular line segments drawing triangle</p> <p>parallel line segments base</p> <p>horizontal lines vertical lines</p>
<p>Chapter 11</p> <p><b>8 days</b></p>	<p>SQUARES AND RECTANGLES</p>	<p><b>BIG IDEA:</b> Squares and rectangles are four-sided figures with special properties.</p> <p>Understand and apply the properties of squares and rectangles.</p> <p>Find unknown angle measures and side lengths of squares and rectangles.</p> <p><b>Thinking Skills:</b> Identifying patterns and relationships</p> <p><b>Problem Solving Strategies:</b> Act it out Use a diagram</p>	<p>CC.2.3.4.A.2 Classify two-dimensional figures by properties of their lines and angles.</p> <p>CC.2.4.4.A.1 Solve problems involving measurement and conversions from a larger unit to a smaller unit.</p> <p>CC.2.4.4.A.6 Measure angles and use properties of adjacent angles to solve problems.</p> <p>CC.2.2.4.A.1 Represent and solve problems involving the four operations.</p> <p>CC.K-12.MP.3 Construct viable arguments and critique the reasoning of others</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>square right angle rectangle parallel</p>

			<p>CC.K-12.MP.5 Use appropriate tools strategically</p> <p>CC.K-12.MP.6 Attend to precision</p> <p>CC.K-12.MP.7 Look for and make use of structure</p> <p><i>Math in Focus</i> Chapter 11 Assessment</p> <p>C-Day Fact Fluency Check</p>		
<p><b>March</b> Chapter 12</p> <p><b>12 days</b></p>	<p><b>MEASUREMENT AND DATA</b></p> <p>CONVERSION OF MEASUREMENT</p>	<p><b>BIG IDEA:</b> Measurement is a way of assigning number to objects, such as by their length, weight, or volume. Then, they can be compared.</p> <p>Understand the relative sizes of measurement units. Convert metric units of length. Convert customary units of length.</p> <p>Understand the relative sizes of measurement units. Convert metric units of mass and volume. Convert customary units of weight and volume.</p> <p>Understand the relative sizes of units of time. Convert units of time.</p> <p>Use the four operations to solve word problems involving distance, time, volume, mass, and money. Represent measurement quantities using line diagrams.</p> <p><b>Thinking Skills:</b> Spatial visualization</p>	<p>CC.2.1.4.C.1 Extend the understanding of fractions to show equivalence and ordering.</p> <p>CC.2.1.4.C.2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.</p> <p>CC.K-12.MP.1 Solve problems and persevere in solving them.</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively</p> <p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.6 Attend to precision</p> <p><i>Math in Focus</i> Chapter 12 Assessment</p> <p>C Day Fact Fluency Check</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>meter centimeter kilometer</p> <p>foot inch mile yard</p> <p>kilogram gram pound ounce ton liter milliliter gallon quart pint cup fluid ounce</p> <p>minute second hour</p>

		<p>Deduction</p> <p><b>Problem Solving Strategies:</b> Use a diagram Make a systematic list</p>			
<p><b>March - April</b></p> <p>Chapter 13</p> <p><b>14 days</b></p>	<p>AREA AND PERIMETER</p>	<p><b>BIG IDEA:</b> Area and perimeter of a square, rectangle, or composite figure can be found by counting squares or using a formula.</p> <p>Estimate the area of a rectangle by counting grid squares. Find the area of a rectangle using a formula.</p> <p>Solve problems involving the area and perimeter of squares and rectangles.</p> <p>Find the perimeter and area of a composite figure.</p> <p>Solve word problems involving estimating area of figures. Solve word problems involving area and perimeter of composite figures.</p> <p><b>Thinking Skills:</b> Comparing Identifying relationships Making inferences Deduction</p> <p><b>Problem Solving Strategy:</b> Make a systematic list</p>	<p>CC.2.2.4.A.1 Represent and solve problems involving the four operations.</p> <p>CC.2.4.4.A.1 Solve problems involving measurement and conversions from a larger unit to a smaller unit.</p> <p>CC.K-12.MP.1 Make sense of problems and persevere in solving them.</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively.</p> <p>CC.K-12.MP.3 Construct viable arguments and critique the reasoning of others.</p> <p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.5 Use appropriate tools strategically.</p> <p>CC.K-12.MP.6 Attend to precision.</p> <p>CC.K-12.MP.7 Look for and make use of structure</p> <p>CC.K-12.MP.8 Look for and express regularity in repeated reasoning</p> <p><i>Math in Focus</i> Chapter 13 Assessment</p> <p>C- Day Fact Fluency Check</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>length width</p> <p>composite figure</p>

<p><b>May</b></p> <p>Chapter 14</p> <p><b>10 days</b></p>	<p>SYMMETRY</p>	<p><b>BIG IDEA:</b> Figures can have line and rotational symmetry.</p> <p>Identify a line of symmetry of a figure.</p> <p>Relate rotational symmetry to turns. Trace a figure to determine whether it has rotational symmetry.</p> <p>Draw a shape or pattern about a line of symmetry and check for rotational symmetry. Complete a symmetric shape or pattern. Create symmetric patterns on grid paper.</p> <p><b>Thinking Skill:</b> Spatial visualization</p> <p><b>Problem Solving Strategy</b> Look for patterns Act it out</p>	<p>CC.2.3.4.A.2 Classify two-dimensional figures by properties of their lines and angles.</p> <p>CC.2.3.4.A.3 Recognize symmetric shapes and draw lines of symmetry.</p> <p>CC.2.2.4.A.4 Generate and analyze patterns using one rule.</p> <p>CC.K-12.MP.1 Make sense of problems and persevere in solving them.</p> <p>CC.K-12.MP.2 Reason abstractly and quantitatively.</p> <p>CC.K-12.MP.3 Use appropriate tools strategically.</p> <p>CC.K-12.MP.4 Model with mathematics</p> <p>CC.K-12.MP.6 Attend to precision.</p> <p>CC.K-12.MP.7 Look for and make use of structure.</p> <p><i>Math in Focus</i> Chapter 14 Assessment</p> <p>C-Day Fact Fluency Check</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>line of symmetry symmetric figure</p> <p>rotation center of rotation counter-clockwise rotational symmetry clockwise</p>
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<p><b>June</b></p> <p>Chapter 15</p> <p><b>9 days</b></p>	<p>TESSELLATIONS</p>	<p><b>BIG IDEA:</b> A tessellation is made when a shape (or shapes) is repeated, covering a plane (or surface) without gaps or overlaps to form patterns.</p> <p>Recognize and make tessellations. Identify the unit shape used in a tessellation.</p> <p>Tessellate shapes in different ways.</p> <p><b>Thinking Skill:</b> Spatial visualization</p> <p><b>Problem Solving Strategy:</b> Act it out</p>	<p>CC.2.2.4.A.4 Generate and analyze patterns using one rule.</p> <p>CC.K-12.MP.1 Make sense of problems and persevere in solving them.</p> <p>CC.K-12.MP.3 Use appropriate tools strategically.</p> <p>CC.K-12.MP.6 Attend to precision.</p> <p><i>Math in Focus</i> Chapter 15 Assessment</p> <p>C-Day Fact Fluency Check</p>	<p>Morning Meeting</p> <p>Warm Up/ Number Talks</p> <p>QUICK TABLES (ALEKS online program)</p> <p><i>Math in Focus</i> Textbook 2015 Houghton Mifflin Harcourt</p>	<p>tessellation slide flip repeated shape rotate  modify</p>
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