

Unit/ Month	Concept/Topic with Vocabulary	Standards	Assessments	Instructional Materials	Supplementary Materials
Place Value	Place Value Vocabulary: place value, numeric form, word form, expanded form, greater than, equal to, less than	4.NBT.2 -I can read, write, and compare numbers (using numeral form, word form, and expanded form) up to 1,000,000 using $<$, $>$, $=$.	Chapter Test/Check My Progress	HMH Into Math	Digging into Math/Math Antics/Khan Academy/Rocket Math/Eureka
Add/Subtract Whole Numbers	Add/Subtract Whole Numbers Vocabulary: Properties of Operations, multi-digit arithmetic	4.NBT.4 -I can use place value understanding and properties of operations ($+$, $-$, \times , \div) to perform multi-digit arithmetic. -I can add and subtract numbers up to 1,000,000	Chapter Test/Check My Progress	HMH Into Math	Digging into Math/Math Antics/Khan Academy/Rocket Math/Eureka
Basic Multiplication/Division	Basic Multiplication/Division Vocabulary: arrays, equations, dividend, divisor, multiplication, area, models	4.NBT.5; 4.NBT.6 -I can use place value understanding and properties of operations ($+$, $-$, \times , \div) to perform multi-digit arithmetic. -I can multiply large numbers up to four digits by one and two-digit numbers. -I can illustrate and explain my work using equations, rectangular arrays, and/or area models. -I can divide large numbers with up to four-digit dividends and one-digit divisors using a variety of strategies. -I can illustrate and explain my work by using equations, rectangular arrays, and/or area models.	Chapter Test/Check My Progress	HMH Into Math	Digging into Math/Math Antics/Khan Academy/Rocket Math/Eureka
Basic Multiplication/Division	Basic Multiplication/Division Vocabulary: factors, factor pairs, fact families, prime,	4.NBT.1; 4.NBT.5; 4.OA.4; 4.NBT.6 -I can generalize place value understanding for multi-digit whole numbers. -I understand that each place value is 10 times larger than the one to its right. -I can become familiar with factors and multiple	Chapter Test/Check My Progress	HMH Into Math	Digging into Math/Math Antics/Khan Academy/Rocket Math/Eureka

	composite, whole	<p>factor pairs for a number from 1-100.</p> <p>-I can find all factor pairs for a number from 1-100.</p> <p>-I understand that numbers are multiples of their factors.</p> <p>-I can figure out if a number is a multiple of another number and whether it is prime or composite</p>			
Basic Multiplication Division	<p>Basic Multiplication/Division</p> <p>Vocabulary: factors, factor pairs, fact families, prime, composite, whole</p>	<p>4.NBT.1; 4.NBT.5; 4.OA.4; 4.NBT.6</p> <p>-I can generalize place value understanding for multi-digit whole numbers.</p> <p>-I understand that each place value is 10 times larger than the one to its right.</p> <p>-I can become familiar with factors and multiple factor pairs for a number from 1-100.</p> <p>-I can find all factor pairs for a number from 1-100.</p> <p>-I understand that numbers are multiples of their factors.</p> <p>-I can figure out if a number is a multiple of another number and whether it is prime or composite</p>	Chapter Test/Check My Progress	HMH Into Math	<p>Digging into Math/Math Antics/Khan Academy/Rocket Math/Eureka</p>

Patterns, Sequences, Fractions	<p>Patterns/Sequences/Fractions</p> <p>Vocabulary: fractions, dividend, divisor, area, multiplication, equivalence, numerator, denominator, decimals</p>	<p>4.NBT.1; 4.NBT.5; 4.OA.4; 4.NBT.6; 4.NF.1; 4.NF.5; 4.NF.2; 4.NF.3; 4.NF.6</p> <ul style="list-style-type: none"> -I can generalize place value understanding for multi-digit whole numbers. -I understand that each place value is 10 times larger than the one to its right. -I can multiply large numbers up to four digits by one and two-digit numbers. -I can illustrate and explain my work using equations, rectangular arrays, and/or area models. -I can become familiar with factors and multiple factor pairs for a number from 1-100. -I can find all factor pairs for a number from 1-100. -I understand that numbers are multiples of their factors. -I can figure out if a number is a multiple of another number and whether it is prime or composite -I can divide large numbers with up to four-digit dividends and one-digit divisors using a variety of strategies. -I can illustrate and explain my work by using equations, rectangular arrays, and/or area models. -I can improve my understanding of fraction equivalence and ordering. -I can explain (and show models for) why multiplying a numerator and a denominator by the same number does not change the value of a fraction. -I can compare two fractions with different numerators and denominators by creating common denominators or numerators or by comparing them to a benchmark fraction like one-half. -I can recognize that comparisons of fractions are valid only when the two fractions refer to the same whole. -I can build fractions from unit fractions. -I can understand that a fraction with a numerator 	Chapter Test/Check My Progress	My Math	<p>Digging into Math/Math Antics/Khan Accadmeny/Rocket Math/Eureka</p>
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		<p>that is greater than one is a sum of fractions with the same denominator.</p> <p>-I can understand that addition and subtraction of fractions means separating and joining parts of a whole.</p> <p>-I can decompose a fraction into a sum of fractions with the same denominator.</p> <p>-I can add and subtract mixed numbers with like denominators.</p> <p>-I can solve word problems involving addition and subtraction of fractions with like denominators.</p> <p>-I can understand decimal notation for fractions, and compare decimal fractions.</p> <p>-I can show a fraction with a denominator of 10 as an equivalent fraction with a denominator of 100 in order to add the two fractions.</p> <p>-I can convert a fraction with denominators 10 or 100 into a decimal number.</p>			
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Operations with Fractions	<p>Operations with Fractions</p> <p>Vocabulary: fractions, dividend, divisor, area, multiplication, equivalence, numerator, denominator, decimals</p>	<p>4.NBT.1; 4.NBT.5; 4.OA.4; 4.NBT.6; 4.NF.1; 4.NF.5; 4.NF.2; 4.NF.3; 4.NF.6</p> <ul style="list-style-type: none"> -I can generalize place value understanding for multi-digit whole numbers. -I understand that each place value is 10 times larger than the one to its right. -I can multiply large numbers up to four digits by one and two-digit numbers. -I can illustrate and explain my work using equations, rectangular arrays, and/or area models. -I can become familiar with factors and multiple factor pairs for a number from 1-100. -I can find all factor pairs for a number from 1-100. -I understand that numbers are multiples of their factors. -I can figure out if a number is a multiple of another number and whether it is prime or composite -I can divide large numbers with up to four-digit dividends and one-digit divisors using a variety of strategies. -I can illustrate and explain my work by using equations, rectangular arrays, and/or area models. -I can improve my understanding of fraction equivalence and ordering. -I can explain (and show models for) why multiplying a numerator and a denominator by the same number does not change the value of a fraction. -I can compare two fractions with different numerators and denominators by creating common denominators or numerators or by comparing them to a benchmark fraction like one-half. -I can recognize that comparisons of fractions are valid only when the two fractions refer to the same whole. -I can build fractions from unit fractions. -I can understand that a fraction with a numerator 	Chapter Test/Check My Progress	My Math	<p>Digging into Math/Math Antics/Khan Accadmeny/Rocket Math/Eureka</p>
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Fractions and Decimals	<p>Fractions and Decimals</p> <p>Vocabulary: fractions, dividend, divisor, area, multiplication, equivalence, numerator, denominator, decimals</p>	<p>4.NBT.1; 4.NBT.5; 4.OA.4; 4.NBT.6; 4.NF.1; 4.NF.5; 4.NF.2; 4.NF.3; 4.NF.6</p> <ul style="list-style-type: none"> -I can generalize place value understanding for multi-digit whole numbers. -I understand that each place value is 10 times larger than the one to its right. -I can multiply large numbers up to four digits by one and two-digit numbers. -I can illustrate and explain my work using equations, rectangular arrays, and/or area models. -I can become familiar with factors and multiple factor pairs for a number from 1-100. -I can find all factor pairs for a number from 1-100. -I understand that numbers are multiples of their factors. -I can figure out if a number is a multiple of another number and whether it is prime or composite -I can divide large numbers with up to four-digit dividends and one-digit divisors using a variety of strategies. -I can illustrate and explain my work by using equations, rectangular arrays, and/or area models. -I can improve my understanding of fraction equivalence and ordering. -I can explain (and show models for) why multiplying a numerator and a denominator by the same number does not change the value of a fraction. -I can compare two fractions with different numerators and denominators by creating common denominators or numerators or by comparing them to a benchmark fraction like one-half. -I can recognize that comparisons of fractions are valid only when the two fractions refer to the same whole. -I can build fractions from unit fractions. -I can understand that a fraction with a numerator 	Chapter Test/Check My Progress	My Math	<p>Digging into Math/Math Antics/Khan Accadmeny/Rocket Math/Eureka</p>
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Measurement/ Geometry	<p>Measurement/Geometry</p> <p>Vocabulary: Km,m,cm,kg,g,lb,oz,ml, hour, min, sec, degrees, angles, acute, obtuse, attributes, geometrical, commonalities</p>	<p>4 MD 1; 4 MD 2; 4 MD 4; 4 MD 3; 4.G.1; 4 MD 5; 4 MD 6; 4 MD 7; 4.G.2; 4.G.3</p> <p>-I can solve problems involving measurement and conversion of measurements.</p> <p>-I can show that I know the relative size of measurement units within a single system including km, m, cm; kg, g; lb., oz.; l, ml; hr., min., sec.</p> <p>-I can express measurements in a larger unit in terms of a smaller unit and record equivalents in a two-column table.</p> <p>-I can use the four operations (+, -, x, ÷) to solve world problems involving measurement; including simple fractions and decimals.</p> <p>-I can use what I know about area and perimeter to solve real world problems involving rectangles.</p> <p>-I can create line plots displaying fractions and use them to solve word problems involving addition and subtraction.</p> <p>-I can understand the concept of measurement in geometry with regards to angles.</p> <p>-I can recognize angles as geometric shapes where two rays share a common endpoint.</p> <p>-I understand that an angle's measure is related</p>	Chapter Test/Check My Progress	My Math	<p>Digging into Math/Math Antics/Khan Accadmeny/Rocket Math/Eureka</p>

		<p>to the fraction of a circle it represents, and that the unit is degrees.</p> <ul style="list-style-type: none"> -I understand that an angle is measure in degrees of a circle. -I can measure and draw angles using a protractor. -I understand that the sum of an angle's parts is equal to the whole angle. -I can solve addition and subtraction problems with unknown angles - I can classify two-dimensional figures based on what I know about their geometrical attributes. -I can recognize and identify right triangles. -I recognize, identify and draw lines of symmetry. 			
Measurement/ Geometry	<p>Measurement/Geometry</p> <p>Vocabulary:</p>	<p>4 MD 1; 4 MD 2; 4 MD 4; 4 MD 3; 4.G.1; 4 MD 5; 4 MD 6; 4 MD 7; 4.G.2; 4.G.3</p> <ul style="list-style-type: none"> - I can write and figure out number sentences that have parentheses, brackets and/or braces. - I can correctly write number sentences using mathematic symbols and the order of operations correctly. - I can understand number sentences and estimate their answers without actually calculating them. - I can create two number patterns using two given rules. - I can identify relationships between two number patterns. - I can form ordered pairs using the relationship between two number patterns and graph them on a coordinate plane. -I can draw and identify lines and angles, and classify shapes by properties of their lines and angles. -I can draw and identify points, lines, line segments, rays, angles, and perpendicular and parallel lines. " 	Chapter Test/Check My Progress	My Math	<p>Digging into Math/Math Antics/Khan Accadmeny/Rocket Math/Eureka</p>