




**Grade 6 Math**

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September 2020


Content	Skills	Learning Targets	Assessment	Resources & Technology
<p><b>CEQ: WHAT DO I NEED TO KNOW TO UNDERSTAND NUMBERS?</b></p> <p><b>CEQ: HOW DO WE USE PATTERNS AND VARIABLE TO HELP US UNDERSTAND NUMBERS?</b></p> <p><b>CEQ: HOW DOES THE WORLD AROUND US USE DATA AND GRAPHS TO SHARE INFORMATION?</b></p> <p><b>CEQ: WHAT DO I NEED TO KNOW TO UNDERSTAND TWO-DIMENSIONAL AND THREE DIMENSIONAL SHAPES?</b></p>	<p><b>A. Computation Skills</b></p> <p>A1. Order, compare, multiply, divide, add and subtract with whole numbers.</p> <p>A2. Apply place value when adding, subtracting, multiplying and dividing with decimals.</p> <p>A3. Apply order of operations when simplifying an expression.</p>	<p><b>Number sense</b></p> <p>LT1: I can write a whole number in standard form, expanded form, and word form.<b>(6.1.1)</b></p> <p>LT2: I can compare two numbers using <math>&lt;</math>, <math>&gt;</math>, or <math>=</math> symbols.<b>(6.1.1)</b></p> <p>LT3: I can order a series of numbers from least to greatest.<b>(6.1.1.2)</b></p> <p>LT4: I can understand the value of each digit in a whole number.<b>(6.1.1)</b></p> <p>LT5: I can estimate sums and differences by using rounding.</p> <p>LT6: I can estimate products and quotients using compatible numbers.</p> <p>LT7: I can use the properties of addition to find a solution.</p> <p>LT8: I can use the properties of multiplication to find a solution.</p>	<p><b>A.Computation Skills</b></p> <p>A1. Chapter 1, Quiz 1 CA=</p> <p>A2. Chapter 1 Check point quiz 2 CA= </p> <p>A3. Chapter 1 Check point quizzes and Chapter 1 unit test CA= </p>	<p> Lesson 1.4</p> <p>Key Vocabulary:</p> <ul style="list-style-type: none"> <li>● Associative Properties</li> <li>● Commutative Properties</li> <li>● Compatible Numbers</li> <li>● Expanded Form</li> <li>● Expression</li> <li>● Front-End Estimation</li> <li>● Identity Properties</li> <li>● Order Of Operations</li> <li>● Standard Form</li> </ul>

<p><i>UEQ:</i></p> <ul style="list-style-type: none"> <li><i>How are computation skills used to solve problems?</i></li> </ul> <p><b>A. Computation Skills</b></p> <p>A1. Whole Numbers A2. Decimals A3. Order of Operations</p>		<p>LT9: I can use the order of operations to simplify expressions and solve problems.</p> <p>LT10: I can write decimal numbers in standard form from word form.</p> <p>LT11: I can write decimal numbers in standard form from expanded form.</p> <p>LT12: I can write decimal numbers in word form from standard form.</p> <p>LT13: I can write decimal numbers in expanded form from standard form.</p> <p>LT14: I can use rounding rules to round a decimal to the appropriate place value.</p> <p>LT15: I can compare two decimal numbers using <math>&lt;</math>, <math>&gt;</math>, or <math>=</math> symbols.</p> <p>LT16: I can order a series of decimal numbers from least to greatest.</p> <p>LT17: I can understand the value of each digit in a decimal number.</p>		
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		<p>LT18: I can estimate decimal sums and differences.</p> <p>LT19: I can add and subtract decimals.</p> <p>LT20: I can multiply decimals.</p> <p>LT21: I can use compatible numbers to check for reasonableness when multiplying decimals.</p> <p>LT22: I can divide decimals.</p> <p>LT23: I can use compatible numbers to check for reasonableness when dividing decimals.</p> <p>LT24: I can divide a decimal by a whole number.</p> <p>LT25: I can divide a decimal by a decimal.</p>		
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October 2016

Content	Skills	Learning Targets	Assessment	Resources & Technology
October/November  <i>UEQ:</i> <ul style="list-style-type: none"> <li>How are patterns used to describe algebraic expressions?</li> <li>How are patterns used to solve 1 step equations?</li> <li>What is the relationship between the distributive property and solving equations?</li> </ul> <p><b>A. Describing Patterns</b>            A1. Patterns with variable            A2. Expressions verses equations</p> <p><b>B. Solving 1 step equations</b>            B1. Addition equations            B2. Subtraction equations</p>	<p><b>A. Describing Patterns</b></p> <p>A1. Demonstrate knowledge of patterns in an expression with a variable.            A2. Differentiating and manipulating between equations and expressions.</p> <p><b>B. Solving 1 step equations</b></p> <p>B1. Use subtraction to solve addition equations.            B2. Use addition to solve subtraction equations.            B3. Use inverse operations to solve multiplication and division equations.</p> <p><b>C. Simplify expressions and equations</b></p> <p>C1. Apply the distributive property to simplify and solve expressions.            C2. Use the order of operations to simplify</p>	<p>LT1: I can find, write, and apply rules for number patterns.(6.2.1)</p> <p>LT2: I can evaluate algebraic expressions (6.2.2)</p> <p>LT3: I can write an algebraic expression from words and/or patterns. (6.2.2)</p> <p>LT4: I can identify true equations and false equations.(6.2.3)</p> <p>LT5: I can use mental math to solve equations. (6.2.3.2)</p> <p>LT6: I can use the inverse operation and maintain the Property of Equality to solve addition equations. (6.2.3.2)</p> <p>LT7: I can use the inverse operation and maintain the Property of Equality to solve subtraction equations.(6.2.3.2)</p> <p>LT8: I can use the inverse</p>	<p><b>A. Describing Patterns</b></p> <p>A1. Chapter 3 Check Point Quiz 1 CA= </p> <p>A2. Chapter 3 Check Point Quiz 2 CA= </p> <p><b>B. Solving 1 step equations</b></p> <p>B1. Chapter 3 Quiz Check Point Quiz 1 CA= </p> <p>B2. Chapter 3 Quiz Check Point Quiz 1 CA= </p> <p>B3. Chapter 3 Test CA= </p> <p><b>C. Simplify expressions and equations</b></p> <p>C1. Chapter 3 Test CA= </p>	<p>Key Vocabulary:</p> <ul style="list-style-type: none"> <li>Algebraic Expression</li> <li>Arithmetic Sequence</li> <li>Conjecture</li> <li>Distributive Property</li> <li>Equation</li> <li>Evaluate</li> <li>Inverse Operations</li> <li>Numerical Expression</li> <li>Open Sentence</li> <li>Sequence</li> <li>Solution Term</li> <li>Variable</li> </ul>

<p>B3. Multiplication and Division Equations</p> <p><b>C. Simplify expressions and equations</b></p> <p>C1.Distributive property</p> <p>C2.Order of operations</p>	<p>expressions and solve equations.</p>	<p>operation and maintain the Property of Equality to solve multiplication equations. <b>(6.2.3.2)</b></p> <p>LT9: I can use the inverse operation and maintain the Property of Equality to solve division equations. <b>(6.2.3.2)</b></p> <p>LT10: I can use the Distributive Property to multiply mentally. <b>(6.2.2.1)</b></p>	<p>C2. Chapter 3 Test CA=</p> 	
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**December 2016**

Content	Skills	Learning Targets	Assessment	Resources & Technology
<p>November/December</p> <p><b>UEQ:</b></p> <p><i>What is needed to know to compute with fractions and mixed numbers?</i></p> <p><b>B. Fractions: Understanding</b></p> <p>B1. Types of Fractions</p> <p>B2. Greatest Common Factor and Least Common Multiples</p> <p>B3.</p>	<p><b>B. Fractions</b></p> <p>B1. Distinguish between and relate between improper fractions, equivalent fractions and mixed numbers.</p> <p>B2. Make use of greatest common factor and least common multiples to simplify fractions.</p> <p>B3. Identify prime numbers and utilize prime factorizations.</p>	<p>LT1: I can use mental math for divisibility of whole numbers to solve problems.</p> <p>LT2: I can use an exponent to simplify powers. <b>( 6.1.1.5)</b></p> <p>LT3: I can use the order of operations to simplify an expression. <b>(6.2.2)</b></p> <p>LT4: I can identify factors of prime and composite whole numbers. <b>( 6.1.1.5)</b></p> <p>LT5: I can write the prime factorization of a composite numbers. <b>6.1.1.5</b></p>	<p><b>B. Fractions</b></p> <p>B1. Chapter 4 Check point quiz 2 CA= </p> <p>B2. Chapter 4 Test CA= </p> <p>B3. Chapter 4 Test</p> <p>B4. Chapter 5 Test  and Chapter 6 Test  CA=</p>	<p>Key Vocabulary:</p> <ul style="list-style-type: none"> <li>● Base</li> <li>● Common Factor</li> <li>● Divisible</li> <li>● Equivalent Fractions</li> <li>● Exponent</li> <li>● Factor</li> <li>● Improper Fraction</li> <li>● Mixed Number</li> <li>● Multiple</li> <li>● Prime Factorization</li> <li>● Prime Number</li> <li>● Proper Fraction</li> </ul>

PrimeNumbers/ Prime Factorization		<p>LT6: I can find the Greatest Common Factor (GCF) of two or more numbers. <b>(6.1.1.6)</b></p> <p>LT7: I can find equivalent fractions.( <b>6.1.1.4</b>)</p> <p>LT8: I can simplify a fraction using the Greatest Common Factor (GCF). <b>(6.1.1.6)</b></p> <p>LT9: I can write fractions as proper fractions, improper fractions, and mixed numbers.( <b>6.1.1.4</b>)</p> <p>LT10: I can find the multiples of a number and identify the Least Common Multiple of two or more numbers. <b>(6.1.1.6)</b></p> <p>LT11: I can compare and order fractions and mixed numbers.(<b>6.1.1.2</b>)</p> <p>LT12: I can write a number as a decimal or as a fraction.( <b>6.1.1.4</b>)</p>		<ul style="list-style-type: none"> <li>● Simplest Form</li> </ul>
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		LT13: I can order decimal numbers.(6.1.1.2)		
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**January 2017**




Content	Skills	Learning Targets	Assessment	Resources & Technology
January/February <b>UEQ:</b> <ul style="list-style-type: none"> <li><i>How are fractions and mixed numbers computed?</i></li> </ul> <b>C. Fractions:Computing</b>  C1. Fractions C2. Equations	<b>C. Fractions: Computing</b>  <b>C1.</b> Adding, subtracting, multiplying and dividing fractions and mixed numbers. <b>C2.</b> Write and solve multiplication and division equations.	<b>Chapter 5:</b>  LT1: I can use benchmark to estimate sums and differences of fractions and mixed numbers. ( 6.1.3.5)  LT2: I can add and subtract fractions with like denominators.(Gr.5 std) LT3: I can find fraction sums greater than 1.(Gr.5 std)  LT4: I can add and subtract fractions with unlike denominators.(Gr.5 std) LT5: I can add mixed numbers with and without renaming. (Gr.5 std) LT6: I can subtract mixed numbers with and without re-naming.(Gr.5 std) LT7: I can use mental math to solve equations with fractions.(Gr.5 std)	<b>C. Fractions: Computing</b>  <b>C1.</b> Chapter 5 Check Point Quiz 1 CA= <input type="checkbox"/> <b>C1.</b> Chapter 5 Check Point Quiz 2 CA= <input type="checkbox"/> <b>C2.</b> Chapter 6 Check Point Quiz 1 CA= <input type="checkbox"/> <b>C2.</b> Chapter 6 Check Point Quiz 2 CA= <b>C1 and 2.</b> Chapter 6 Test CA= <input type="checkbox"/>	Key Vocabulary:  <b>Chapter 5</b> <ul style="list-style-type: none"> <li>Benchmark</li> <li>Elapsed Time</li> </ul> <b>Chapter 6</b> <ul style="list-style-type: none"> <li>Reciprocal</li> </ul>

		<p>LT8: I can solve equations with fractions using inverse operations.<b>(Gr.5 std)</b> <b>Chapter 6:</b> LT1: I can multiply fractions.<b>(6.1.3.1)</b></p> <p>LT2: I can multiply fractions to solve problems. <b>(6.1.3.4)</b></p> <p>LT3: I can estimate and find the product of mixed numbers.<b>(6.1.3.5)</b></p> <p>LT4: I can divide fractions. <b>(6.1.3.1)</b></p> <p>LT5: I can divide fractions to solve problems. <b>(6.1.3.4)</b></p> <p>LT6: I can estimate and find the quotient of mixed numbers. <b>(6.1.3.1)</b></p> <p>LT7: I can write fraction equations and solve them by multiplying. <b>(6.1.3.4)</b></p> <p>LT8: I can choose appropriate units and to estimate in the customary system.<b>(6.3.3.2)</b></p> <p>LT9: I can convert between</p>		
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		units in the customary system.(6.3.3.2)		
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## February 2017

Content	Skills	Learning Targets	Assessment	Resources & Technology
February/March <b>UEQ:</b> <ul style="list-style-type: none"> <li><i>What is the relationship between ratios, fractions, decimals and percents?</i></li> </ul> <b>D. Ratios,Proportions, and Percents</b> <ul style="list-style-type: none"> <li>D1. Ratios</li> <li>D2. Proportions</li> <li>D3. Percents</li> </ul>	<b>D. Ratios, Proportions, and Percents</b> <ul style="list-style-type: none"> <li>D1. Identify and use ratios and unit rates to compare quantities.</li> <li>D2. Determine if ratios are proportional</li> <li>D2. Solving a proportion to find an unknown value</li> <li>D3. Convert between fractions, ratios, decimals and percents</li> <li>D3. Finding a percent of a number</li> </ul>	LT1: I can write ratios to compare real-world quantities.(6.1.2.1) LT2: I can find and use unit rates and unit cost.(6.1.2.2) LT3: I can determine whether two ratios are proportional.(6.1.2.1) LT4: I can solve proportions. (6.2.3.2) LT5: I can write a proportion to solve real-world problems. (6.1.2.4) LT6: I can write a percent as a fraction and as a decimal. (6.1.3.3), (6.1.1.4) LT7: I can compare and order fractions, decimals, and percents.(6.1.1.7)  LT8: I can use percents to find part of a whole. (6.1.3.3)	<b>D. Ratios, Proportions, and Percents</b> <ul style="list-style-type: none"> <li>D1. Chapter 7 Check Point</li> <li>Quiz 1 CA= </li> <li>D2. Chapter 7 Check Point</li> <li>Quiz 1 CA= </li> <li>D3. Chapter 7 Check Point</li> <li>Quiz 2 CA=</li> <li>D1-D3. Chapter 7</li> <li>Test CA= </li> </ul>	Key Vocabulary: <ul style="list-style-type: none"> <li>● Circle Graph</li> <li>● Cross Products</li> <li>● Equivalent ratios</li> <li>● Percent</li> <li>● Proportion</li> <li>● Rate</li> <li>● Ratio</li> <li>● Scale</li> <li>● Unit Cost</li> <li>● Unit Rate</li> </ul>

		LT9: I can solve real-world problems requiring estimation with percents.(6.1.3.5)		
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**March 2017**

<b>Content</b>	<b>Skills</b>	<b>Learning Targets</b>	<b>Assessment</b>	<b>Resources &amp; Technology</b>
<p><i>MARCH/APRIL 2016</i></p> <p><i>UEQ:</i></p> <ul style="list-style-type: none"> <li>• <i>How are geometric figures measured and classified?</i></li> <li>• <i>What are the tools of conversion within the metric system?</i></li> <li>• <i>What are the formulas used to calculate area, perimeter, surface area and volume of geometric figures?</i></li> </ul> <p><b>A. Geometric Figures</b> A1. Measuring A2. Classifying</p> <p><b>B. Congruent Figures</b> B1. Congruent Figures</p>	<p><b>A. Geometric Figures</b></p> <p>A1. Measuring angles, triangles, and quadrilaterals. A2. Classifying angles, triangles and quadrilaterals.</p> <p><b>B. Congruent and Similar Figures</b></p> <p>B1. Use proportionality to identify congruent figures.</p>	<p><b>Chapter 8:</b></p> <p>LT1: I can identify and work with points, lines, segments, and rays.</p> <p>LT2: I can measure and classify angles.</p> <p>LT3: I can solve problems using the relationships between the angles formed by intersecting lines.(6.3.2.1)</p> <p>LT4: I can use the angle sum of a triangle to find the missing interior angle measures of a triangle. (6.3.2.2)</p> <p>LT5: I can use the angles of a triangle (180 deg.) to find the angle sum of any polygon.(6.3.2.3)</p>	<p>A. Geometric Figures</p> <p>A1. Chapter 8, Quiz 1  CA= A2. Chapter 8, Quiz 1  CA= <b>B. Congruent Figures</b></p> <p>B1. Chapter 8, Quiz 1  CA= B2. Chapter 8 Test  CA=</p>	<p>Key Vocabulary:</p> <p><b>Chapter 8</b></p> <ul style="list-style-type: none"> <li>• Adjacent</li> <li>• Angle</li> <li>• Angle-Sum</li> <li>• Complementary</li> <li>• Interior Angles</li> <li>• Line</li> <li>• Parallel Lines</li> <li>• Point</li> <li>• Polygon</li> <li>• Quadrilateral</li> <li>• Ray</li> <li>• Segment</li> <li>• Similar Figures</li> <li>• Supplementary</li> <li>• Vertical</li> </ul>

<p><b>C. Metric System</b> D1. Appropriate Unit D2. Conversion</p> <p><b>D. Formulas</b> E1. Area E2. Perimeter E3. Volume E4. Surface Area</p>	<p><b>C. Metric System</b></p> <p>C1. Choose appropriate units of length, mass and capacity.</p> <p>C2. Choose units to convert between metric measurements</p> <p><b>D. Formulas</b></p> <p>E1. Find the area of triangles, rectangles, parallelograms.</p> <p>E2. Find the perimeter of triangles, rectangles, parallelograms.</p> <p>E3. Find the volume of prisms.</p> <p>E4. Find the surface area of prisms.</p>	<p><b>Chapter 9:</b> LT1: I can choose appropriate units and estimate in the metric system.(6.3.3.2)</p> <p>LT2: I can convert between units in the metric system. (6.3.3.1)</p> <p>LT3: I can find the perimeter of rectangles. (6.3.1)</p> <p>LT4: I can find the area of rectangles.(6.3.1.2)</p> <p>LT5: I can find the area of parallelograms.(6.3.1.2)</p> <p>LT6: I can find the area of triangles.(6.3.1)</p> <p>LT7: I can find the area of trapezoids.(6.3.1.2)</p> <p>LT8: I can estimate the area and perimeter of irregular figures.(6.3.1.3)</p> <p>LT9: I can identify three-dimensional figures.</p> <p>LT10: I can use a net to find surface area of prisms.</p>	<p><b>C. Metric System</b></p> <p>D1. Chapter 9, Quiz</p> <p>1 CA= </p> <p>D2. Chapter 9, Quiz</p> <p>1 CA= </p> <p><b>D. Formulas</b></p> <p>D1. Chapter 9, Quiz 1 and Chapter 9 Test CA= </p> <p>D2. Chapter 9, Quiz 1 and Chapter 9 Test CA= </p> <p>D3. Chapter 9, Quiz 2 and Chapter 9 Test CA=</p> <p>D4. Chapter 9, Quiz 2 and Chapter 9 Test CA=</p>	<p><b>Chapter 9</b></p> <ul style="list-style-type: none"> <li>● Area</li> <li>● Chord</li> <li>● Circle</li> <li>● Circumference</li> <li>● Diameter</li> <li>● Metric System</li> <li>● Perimeter</li> <li>● Prism</li> <li>● Radius</li> <li>● Surface Area</li> <li>● Volume</li> </ul>
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		<b>(6.3.1.1)</b> LT11: I can find the volume of rectangular prisms. <b>(6.3.1.1)</b>		
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**May 2017**

<b>Content</b>	<b>Skills</b>	<b>Learning Targets</b>	<b>Assessment</b>	<b>Resources &amp; Technology</b>
<p>UEQ:</p> <p>How are real-world situation represented using integers, opposites and absolute values?</p> <p>How are points graphed/located on a coordinate plane?</p> <p>How are integers used to perform operations?</p> <p><b>A. Integers</b> A1. Number sense A2. Operations with integers</p> <p><b>B. Graphing on a Coordinate Plane</b> B1. Name points B2. Graph coordinates</p>	<p><b>A. Integers</b></p> <p>A1. Compare, order, add,subtract, multiply and divide integers. A2. Write integers, opposites and absolute values that represent real-life situations.</p> <p><b>B. Graphing on a Coordinate Plane</b></p> <p>B1 Name points on a coordinate plane. B2. Graph points on a coordinate plane.</p>	<p>LT1: I can use integers and their opposites to represent real-world situations. LT2: I can compare and order integers. LT3: I can solve problems by adding integers. LT4: I can solve problems by subtracting integers. LT5: I can solve problems by multiplying integers.</p> <p>LT6: I can solve problems by dividing integers.</p> <p>LT7: I can solve equations with integers. LT8: I can name and graph points on a coordinate plane.<b>(6.1.1.1)</b> LT9: I can apply integers to profit and loss situations.</p> <p>LT10: I can make a function table.<b>(6.2.1.2)</b></p>	<p><b>A. Integers</b></p> <p>A1. Ch 11 Quiz 1 CA= ☞ ☞ A2. Ch 11 Quiz 1 CA= ☞ ☞</p> <p><b>B. Graphing on a Coordinate Plane</b></p> <p>B1 Ch 11 Quiz 2 CA= B2. Ch 11 Quiz 2 CA=</p>	<p>Key Vocabulary:</p> <ul style="list-style-type: none"> <li>● Complement Of An Event</li> <li>● Compound Event</li> <li>● Counting Principle</li> <li>● Dependent Event</li> <li>● Equally Likely Outcomes</li> <li>● Event</li> <li>● Experimental Probability</li> <li>● Independent Events</li> <li>● Outcome</li> <li>● Permutation</li> <li>● Population</li> <li>● Probabililty Of An Event</li> <li>● Sample</li> <li>● Sample Surface</li> <li>● Simulation</li> <li>● Tree Diagram</li> </ul>

		LT11: I can graph a function. <b>(6.2.1.2)</b>		
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