

Wyoming Department of Education Required Virtual Education Course Syllabus

Niobrara County School District # 1

Program Name	Wyoming Virtual Academy	Content Area	MA
Course ID	D-MTH-06AV2-K	Grade Level	6
Course Name	Summit Math 6-sem 1	# of Credits	
SCED Code		Curriculum Type	K12 Inc

COURSE DESCRIPTION

Offered 1st semester. In the Summit Math 6 course, students deepen their understanding of multiplication and division of fractions to apply their knowledge to divide fractions by fractions, with an additional focus on increasing efficiency and fluency. Students gain a foundation in the concepts of ratio and rate as an extension of their work with whole number multiplication and division, and in preparation for work with proportional relationships in Grade 7. Students also make connections among area, volume, and surface area, and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations.

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK (Standard/Indicator) Use the Standards and Benchmarks as Spreadsheets
6.NS.B.1	Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions by using visual fraction models and equations to represent the problem.
6.NS.C.2	Divide multi-digit numbers using efficient and generalizable procedures including, but not limited to the standard algorithm. Assessment boundary: Use up to 5-digit dividend, 2-digit divisors.
6.NS.C.3	Add, subtract, multiply, and divide manageable multi-digit decimals using efficient and generalizable procedures including, but not limited to the standard algorithm for each operation.
6.NS.C.4	Find common factors and multiples using two whole numbers.
6.NS.C.4a	Find the greatest common factor of two whole numbers less than or equal to 100.
6.NS.C.4b	Find the least common multiple of two whole numbers less than or equal to 12.
6.NS.C.4c	Use the distributive property to express a sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two whole numbers with no common factor.

6.NS.D.5	Understand that positive and negative numbers are used together to describe quantities having opposite directions or values and use them to represent quantities in real-world contexts, explaining the meaning of 0 in each situation.
6.NS.D.6	Extend the understanding of the number line to include all rational numbers and apply this concept to the coordinate plane.
6.NS.D.6a	Understand the concept of opposite numbers, including zero, and their relative locations on the number line.
6.NS.D.6b	Understand that signs of numbers in ordered pairs indicate locations in quadrants of the coordinate plane; recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes.
6.NS.D.6c	Find and position rational numbers on a horizontal or vertical number line diagram; find and position pairs of rational numbers on a coordinate plane.
6.NS.D.7	Understand ordering and absolute value of rational numbers.
6.NS.D.7a	Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram.
6.NS.D.7b	Write, interpret, and explain statements of order for rational numbers in real-world contexts.
6.NS.D.8	Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Find distances between points with the same first coordinate or the same second coordinate; relate absolute value and distance.
6.EE.E.1	Write and evaluate numerical expressions involving whole-number exponents.
6.EE.E.2	Write, read, and evaluate expressions in which letters stand for numbers.
6.EE.E.2a	Write expressions that record operations with numbers and with letters standing for numbers.
6.EE.E.2b	Identify parts of an expression using mathematical terms (sum, difference, term, product, factor, quotient, coefficient, constant).
6.EE.E.2c	Use Order of Operations to evaluate algebraic expressions at using positive rational numbers and whole-number exponents. Include expressions that arise from formulas in real-world problems.
6.EE.E.3	Apply the properties of operations to generate equivalent expressions.
6.EE.E.4	Identify when two expressions are equivalent.
6.EE.F.5	Understand a solution to an equation or an inequality makes the equation or inequality true. Use substitution to determine whether a given number in a specified set makes an equation or inequality true.

6.EE.F.6	Use variables to represent unknown numbers and write expressions when solving a real-world or mathematical problem.
6.EE.F.7	Write and solve real-world and mathematical problems in the form of one-step, linear equations involving nonnegative rational numbers.
6.EE.F.8	Write an inequality of the form $x > c$ or $x < c$ to represent a constraint or condition in a real-world or mathematical problem. Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions; represent solutions of such inequalities on number line diagrams.
6.EE.G.9	Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity (dependent variable), in terms of the other quantity (independent variable). Analyze their relationship using graphs and tables, and relate these to the equation.

Unit Outline	Standard	outcome objectives/ student centered goals
U1.1 Number Properties Exchange Ideas	6.NS.C.2 6.NS.C.4	Review how to classify a whole number from 1 to 100 as prime or composite.
U1.2 Number Properties Divide Whole Numbers	6.NS.C.2 6.NS.C.4	Divide multidigit whole numbers, limited to answers that include a remainder. Solve a real-world problem involving the division of multidigit whole numbers, limited to answers that include a remainder. Divide a four-digit number by a two-digit number.
U1.4 Number Properties Primes and Composites	6.NS.C.4	Classify a whole number from 1 to 100 as prime or composite. Determine the factor pairs of a whole number in the range 1 to 100. Extend and deepen your understanding by discussing the content with your peers.
U1.5 Number Properties Factors and Prime Factorization	6.NS.C.4a	Determine the prime factorization of a number less than or equal to 100. Determine the greatest common factor of two whole numbers less than or equal to 100.
U1.7 Number Properties Greatest Common Factor	6.NS.C.4a	Determine the greatest common factor of two whole numbers less than or equal to 100. Classify a whole number from 1 to 100 as prime or composite. Extend and deepen your understanding by discussing the content with your peers.

U1.8 Number Properties Least Common Multiple	6.NS.C.4b	Determine the least common multiple of two whole numbers less than or equal to 12. Multiply multidigit whole numbers.
U1.9 Number Properties Distributive Property	6.NS.C.4a	Apply the distributive property to express a sum of two whole numbers from 1 to 100 with a common factor as a multiple of a sum of two whole numbers with no common factor. [e.g. $84 + 36 = 12(7 + 3)$]. Apply the distributive property to express the product of two whole numbers from 1 to 100 as the product of one of the numbers and a sum equivalent to the other number [e.g. $9(18) = 9(10 + 8) = 90 + 72 = 162$] Apply the distributive property to multiply a number by a sum or difference. Determine the greatest common factor of two whole numbers less than or equal to 100.
U1.10 Number Properties Unit Review		Review what you have learned and prepare for the Unit Test.
U1.11 Number Properties Unit Test		Demonstrate comprehension of concepts taught in this unit.
U1.12 Number Properties Extended Problems	6.NS.C.2 6.NS.C.4 6.NS.C.4c	Classify a whole number from 1 to 100 as prime or composite. Apply the distributive property to express a sum of two whole numbers from 1 to 100 with a common factor as a multiple of a sum of two whole numbers with no common factor. [e.g. $84 + 36 = 12(7 + 3)$]. Determine the greatest common factor of two whole numbers less than or equal to 100.
U1.13 Number Properties Course Introduction		Prepare for the course by previewing the course structure and key course components.
U2.1 Fractions Exchange Ideas	6.NS.C.3	Add fractions and/or mixed numbers with unlike denominators. Subtract fractions and/or mixed numbers with unlike denominators.
U2.2 Fractions Simplify Fractions	6.NS.C.2 6.NS.C.4	Represent an improper fraction as a mixed number, or a mixed number as an improper fraction. Represent a fraction in simplest form. Describe a fraction as division of the numerator by the denominator ($a/b = a \div b$). Classify a whole number from 1 to 100 as prime or composite. Extend and deepen your understanding by discussing the content with your peers.

U2.3 Fractions Write Fractions with Common Denominators	6.NS.C.4 6.NS.C.4b	Determine the least common denominator of two or more fractions. Compare two fractions with different numerators and/or denominators, using the symbols $>$, $<$, or $=$, limited to fractions with denominators 2, 3, 4, 5, 6, 8, 10, 12, or 100. Determine the least common multiple of two whole numbers less than or equal to 12.
U2.4 Fractions Your Choice		Take initiative to further your own learning.
U2.5 Fractions Add Fractions with Unlike Denominators	6.NS.C.3 6.NS.C.4 6.NS.C.4b	Add fractions and/or mixed numbers with unlike denominators. Add fractions with unlike denominators.
U2.6 Fractions Add Mixed Numbers with Unlike Denominators	6.NS.C.3 6.NS.C.4 6.NS.C.4b	Add fractions and/or mixed numbers with unlike denominators. Solve a real-world problem involving the addition of fractions and/or mixed numbers.
U2.7 Fractions Subtract Fractions with Unlike Denominators	6.NS.C.3	Subtract fractions and/or mixed numbers with unlike denominators. Solve a real-world problem involving the subtraction of fractions and/or mixed numbers. Add fractions with unlike denominators.
U2.8 Fractions Subtract Mixed Numbers with Unlike Denominators	6.NS.C.3	Subtract fractions and/or mixed numbers with unlike denominators. Solve a real-world problem involving the subtraction of fractions and/or mixed numbers.
U2.9 Fractions Your Choice		Take initiative to further your own learning.
U2.10 Fractions Multiply Fractions	6.NS.C.3	Multiply fractions. Multiply fractions and mixed numbers. Multiply mixed numbers. Solve a real-world problem involving multiplication of fractions, using an equation or expression to represent the problem. Solve a real-world problem involving multiplication of mixed numbers, using an equation or expression to represent the problem.
U2.11 Fractions Divide Fractions 1	6.NS.B.1	Determine the reciprocal of a fraction or a mixed number.

U2.12 Fractions Divide Fractions 2	6.NS.B.1	<p>Determine the reciprocal of a fraction or a mixed number</p> <p>Divide fractions and/or mixed numbers.</p> <p>Divide mixed numbers.</p> <p>Divide two fractions.</p> <p>Solve a real-world problem involving the division of fractions and/or mixed numbers.</p> <p>Solve a real-world problem involving the division of mixed numbers.</p> <p>Solve a real-world problem involving the division of two fractions.</p> <p>Classify a whole number from 1 to 100 as prime or composite.</p> <p>Extend and deepen your understanding by discussing the content with your peers.</p>
U2.13 Fractions Unit Review		Review what you have learned and prepare for the Unit Test.
U2.14 Fractions Unit Test		Demonstrate comprehension of concepts taught in this unit.
U2.15 Fractions Extended Problems	6.NS.C.3	Solve a real-world problem involving the addition of fractions and/or mixed numbers.
U3.1 Decimals Exchange Ideas	6.NS.C.2 6.NS.C.4	Classify a whole number from 1 to 100 as prime or composite.
U3.2 Decimals Add Decimals	6.NS.C.3	<p>Add multidigit decimals.</p> <p>Add decimals, limited to decimals to the hundredths place.</p> <p>Classify a whole number from 1 to 100 as prime or composite.</p> <p>Extend and deepen your understanding by discussing the content with your peers.</p>
U3.3 Decimals Subtract Decimals 1	6.NS.C.3	<p>Solve a real-world problem involving the subtraction of multidigit decimals.</p> <p>Subtract multidigit decimals.</p> <p>Subtract decimals, limited to decimals to the hundredths place.</p>
U3.4 Decimals Subtract Decimals 2	6.NS.C.3	Subtract multidigit decimals.
U3.5 Decimals Your Choice		Take initiative to further your own learning.
U3.6 Decimals Multiply Decimals	6.NS.C.3	<p>Multiply multidigit decimals.</p> <p>Solve a real-world problem involving the multiplication of multidigit decimals.</p> <p>Multiply decimals, limited to decimals to the hundredths place.</p>
U3.7 Decimals Divide a Decimal by a Whole Number	6.NS.C.3	<p>Divide a multidigit decimal by a whole number.</p> <p>Divide multidigit whole numbers, limited to answers that include a remainder.</p> <p>Solve a real-world problem involving the division of multidigit decimals.</p>

U3.8 Decimals Your Choice		Take initiative to further your own learning.
U3.9 Decimals Divide a Decimal by a Decimal	6.NS.C.3	Divide multidigit decimals. Solve a real-world problem involving the division of multidigit decimals.
U3.10 Decimals Divide a Whole Number by a Decimal	6.NS.C.3	Solve a real-world problem involving the division of multidigit decimals.
U3.11 Decimals Problem Solve with Decimals	6.NS.C.3	Solve a multistep problem using decimals. Solve a real-world problem involving multiple operations, using multidigit decimals. Solve a real-world problem involving the addition of multidigit decimals. Solve a real-world problem involving the division of multidigit decimals. Classify a whole number from 1 to 100 as prime or composite. Extend and deepen your understanding by discussing the content with your peers.
U3.12 Decimals Unit Review		Review what you have learned and prepare for the Unit Test.
U3.13 Decimals Unit Test		Demonstrate comprehension of concepts taught in this unit.
U3.14 Decimals Extended Problems	6.NS.B.1 6.NS.C.2	Solve a real-world problem involving the division of multidigit decimals. Classify a whole number from 1 to 100 as prime or composite.
U3.15 Decimals Math 6 Checkpoint 1	6.NS.C.2	Solve a real-world problem involving the division of multidigit whole numbers, limited to answers that include a remainder. Determine the greatest common factor of two whole numbers less than or equal to 100.
U4.1 Rational Numbers Exchange Ideas	6.NS.D.7b	Compare or order rational numbers, at a sixth grade level.
U4.2 Rational Numbers Integers	6.NS.D.5 6.NS.D.6	Explain the meaning of positive and negative numbers and zero. Represent a quantity in a real-world context, using positive and negative numbers and zero. Graph an integer on a number line. Graph points that represent a real-world situation, limited to the first quadrant.
U4.3 Rational Numbers Rational Numbers	6.NS.D.6c	Graph a rational number on a number line.
U4.4 Rational Numbers Your Choice		Take initiative to further your own learning.

U4.5 Rational Numbers Compare Rational Numbers	6.NS.D.6c 6.NS.D.7a	Interpret an inequality as a statements about the relative position of two numbers on a number line diagram. Compare or order rational numbers used in a real-world setting. Compare or order rational numbers, at a sixth grade level. Explain a statement comparing or ordering rational numbers used in a real-world setting.
U4.6 Rational Numbers Opposites and Absolute Value	6.NS.D.6a 6.NS.D.7 6.NS.D.7a	Identify opposite numbers. Interpret opposite numbers. Compare or order absolute value expressions. Explain or give an example of the absolute value of a rational number. Distinguish between a comparison of absolute value from a statement about order. Determine the absolute value of a number, using a number line. Show that for negative rational numbers, as the absolute value increases, the value of the negative number decreases.
U4.7 Rational Numbers Your Choice		Take initiative to further your own learning.
U4.8 Rational Numbers The Coordinate Plane	6.NS.D.6b	Explain the meaning of an ordered pair in a coordinate plane. Name an integer pair on a coordinate plane. Name a rational number pair on a coordinate plane. Name the location of an ordered pair (quadrant 1, 2, 3, or 4; x- or y-axis; or origin). Solve a problem by graphing integer pairs in any quadrant of the coordinate plane. Solve a problem by graphing rational number pairs in any quadrant of the coordinate plane. Solve a real-world problem using ordered pairs in all four quadrants of the coordinate plane. Graph a pair of integers on a coordinate plane. Graph a pair of rational numbers on a coordinate plane. Plot a point or points on the coordinate plane.

U4.9 Rational Numbers Find Distances in the Coordinate Plane	6.NS.D.6b	<p>Determine the distance between two points using ordered pairs with the same first coordinate or the same second coordinate, in any quadrant of the coordinate plane.</p> <p>Solve a real-world problem using ordered pairs in all four quadrants of the coordinate plane.</p> <p>Relate finding the distance between two points in a coordinate plane to its absolute value, using a number line.</p> <p>Name points using ordered pairs, using (x, y) format, limited to the first quadrant.</p> <p>Classify a whole number from 1 to 100 as prime or composite.</p> <p>Extend and deepen your understanding by discussing the content with your peers.</p>
U4.10 Rational Numbers Unit Review		Review what you have learned and prepare for the Unit Test.
U4.11 Rational Numbers Unit Test		<p>Explain a statement comparing or ordering rational numbers used in a real-world setting.</p> <p>Determine the distance between two points using ordered pairs with the same first coordinate or the same second coordinate, in any quadrant of the coordinate plane.</p> <p>Solve a real-world problem using ordered pairs in all four quadrants of the coordinate plane.</p>
U4.12 Rational Numbers Extended Problems	6.NS.D.6b	<p>Graph an integer on a number line.</p> <p>Solve a real-world problem using ordered pairs in all four quadrants of the coordinate plane.</p> <p>Graph a pair of integers on a coordinate plane.</p>
U5.1 Expressions Exchange Ideas	6.EE.E.1	<p>Evaluate a numerical expression involving whole-number exponents.</p> <p>Evaluate a numerical expression with parentheses, limited to whole numbers.</p> <p>Represent a mathematical problem using grouping symbols.</p>
U5.2 Expressions Exponents	6.EE.E.1	<p>Evaluate a numerical expression involving whole-number exponents.</p> <p>Represent a mathematical problem using an expression involving whole-number exponents.</p> <p>Represent a real-world situation using an expression involving whole-number exponents.</p> <p>Translate a simple calculation from words into an expression.</p> <p>Classify a whole number from 1 to 100 as prime or composite.</p>

U5.3 Expressions Order of Operations	6.EE.E.1 6.EE.E.2 6.EE.E.2c	Evaluate a numerical expression involving whole-number exponents. Evaluate a numerical expression with parentheses, limited to whole numbers. Represent a mathematical problem using grouping symbols. Evaluate a numerical expression involving whole-number exponents.
U5.4 Expressions Your Choice		Take initiative to further your own learning.
U5.5 Expressions Algebraic Expressions	6.EE.E.2 6.EE.E.2b	Describe one or more parts of an expression as a single entity. Identify parts of an expression using mathematical terms, limited to sum, term, product, factor, quotient, coefficient, constant, and variable. Explain that a variable can represent an unknown number or any number in a specified set.
U5.6 Expressions Read and Write Algebraic Expressions 1	6.EE.E.2 6.EE.E.2a	Represent a mathematical operation using expressions with numbers and with letters standing for numbers. Represent an expression using a mathematical description. Evaluate a numerical expressions with multiple operations, limited to whole numbers and no grouping symbols. Classify a whole number from 1 to 100 as prime or composite.
U5.7 Expressions Read and Write Algebraic Expressions 2	6.EE.F.6 6.EE.E.2 6.EE.E.2a	Represent a mathematical situation as an expression, using a variable for the unknown. Represent a real-world situation as an expression, using a variable for the unknown. Represent an expression using a real-world situation.
U5.8 Expressions Your Choice		Take initiative to further your own learning.
U5.9 Expressions Evaluate Expressions	6.EE.E.1 6.EE.E.2 6.EE.F.5	Evaluate an expression, using given values for variables. Explain that a variable can represent an unknown number or any number in a specified set.
U5.10 Expressions Equivalent Expressions	6.EE.E.3 6.EE.E.2 6.EE.E.2c	Apply the properties of operations to generate equivalent expressions. Identify equivalent expressions. Identify like terms in an algebraic expression. Simplify an algebraic expression by combining like terms. Evaluate a numerical expression with parentheses, limited to whole numbers. Classify a whole number from 1 to 100 as prime or composite. Extend and deepen your understanding by discussing the content with your peers.
U5.11 Expressions Unit Review		Review what you have learned and prepare for the Unit Test.

U5.12 Expressions Unit Test	6.EE.E.1 6.EE.F.6	Evaluate a numerical expression involving whole-number exponents. Represent a real-world situation as an expression, using a variable for the unknown. Represent an expression using a real-world situation.
U5.13 Expressions Extended Problems	6.EE.E.1 6.EE.F.6	Evaluate a numerical expression involving whole-number exponents. Represent a real-world situation as an expression, using a variable for the unknown. Evaluate a numerical expression with parentheses, limited to whole numbers. Represent a real-world situation using an expression involving whole-number exponents.
U5.14 Expressions Math 6 Checkpoint 2	6.NS.C.2 6.NS.C.4a	Solve a real-world problem involving the division of multidigit whole numbers, limited to answers that include a remainder. Determine the greatest common factor of two whole numbers less than or equal to 100.
U5.15 Expressions Your Choice		Take initiative to further your own learning.
U6.1 Equations and Inequalities Exchange Ideas	6.EE.F.7	Represent a mathematical problem using a simple equation, limited to nonnegative rational numbers. Translate an equation into a word sentence, limited to nonnegative rational numbers. Represent a mathematical problem using a simple equation, limited to nonnegative rational numbers.
U6.2 Equations and Inequalities Compare Expressions	6.EE.E.4	Compare numerical expressions. Compare variable expressions for a given value of the variable. Determine whether a pair of expressions form an equation or an inequality. Interpret statements, using the symbols for "equal to" or "not equal to." Evaluate a numerical expression with parentheses, limited to whole numbers. Classify a whole number from 1 to 100 as prime or composite.
U6.3 Equations and Inequalities Solve Equations by Substitution	6.EE.E.4 6.EE.F.5	Determine whether two numerical expressions form an equation. Determine whether a given number in a specified set makes an equation true, using substitution. Evaluate an expression, using given values for variables.
U6.4 Equations and Inequalities Your Choice		Take initiative to further your own learning.

U6.5 Equations and Inequalities Read and Write Equations	6.EE.F.5 6.EE.F.7	Determine whether a given number in a specified set makes an equation true, using substitution. Represent a mathematical problem using a simple equation, limited to nonnegative rational numbers. Represent a real-world problem using a simple equation, limited to nonnegative rational numbers. Translate an equation into a word sentence, limited to nonnegative rational numbers. Extend and deepen your understanding by discussing the content with your peers.
U6.6 Equations and Inequalities Solve Equations Using Related Equations 1	6.EE.F.7 6.EE.E.4	Solve an equation in the form $x + p = q$, limited to nonnegative rational numbers. Determine a related equation of a given fact family. Identify equivalent expressions.
U6.7 Equations and Inequalities Solve Equations Using Related Equations 2	6.EE.F.7 6.EE.E.4	Solve a mathematical problem by writing and solving an equation in the form $px = q$, limited to nonnegative rational numbers. Determine a related equation of a given fact family.
U6.8 Equations and Inequalities Your Choice		Take initiative to further your own learning.
U6.9 Equations and Inequalities Problem Solve with Equations	6.EE.F.7 6.EE.E.4	Solve a real-world problem by solving an equation in the form $x + p = q$, limited to nonnegative rational numbers. Solve a real-world problem by writing and solving an equation in the form $px = q$, limited to nonnegative rational numbers. Classify a whole number from 1 to 100 as prime or composite. Determine a related equation of a given fact family.
U6.10 Equations and Inequalities Solve Inequalities by Substitution	6.EE.F.5	Classify an inequality as true or false. Determine whether a given number in a specified set makes an inequality true, using substitution. Evaluate an expression, using given values for variables.
U6.11 Equations and Inequalities Read and Write Inequalities	6.EE.F.8	Represent an inequality using the form $x > c$ or $x < c$ as a word sentence. Represent a mathematical problem using an inequality in the form $x > c$ or $x < c$. Represent a real-world problem using an inequality in the form $x > c$ or $x < c$.
U6.12 Equations and Inequalities Graph Inequalities on a Number Line	6.EE.F.8	Determine solutions to inequalities in the form $x > c$ or $x < c$. Represent a solution of an inequality in the form $x > c$ or $x < c$ on a number line. Write an inequality in the form $x > c$ or $x < c$, given its graph.

U6.13 Equations and Inequalities Equations in Two Variables	6.EE.G.9	<p>Represent the relationship between the dependent and independent variables as an equation.</p> <p>Classify data as discrete or continuous.</p> <p>Represent data from a graph as a table of ordered pairs.</p> <p>Represent data from a graph as an equation.</p> <p>Represent data from a table of ordered pairs as an equation.</p> <p>Represent two quantities in a real-world problem that change in relationship to one another.</p> <p>Represent data from a graph on a table.</p> <p>Represent data from a table as an equation.</p> <p>Represent data from a table on a graph.</p> <p>Represent an equation on a graph.</p> <p>Represent data from an equation in a table.</p> <p>Analyze the relationship between the dependent and independent variables using graphs and tables.</p> <p>Solve an equation in the form $x + p = q$, limited to nonnegative rational numbers.</p>
U6.14 Equations and Inequalities Unit Review		Review what you have learned and prepare for the Unit Test.
U6.15 Equations and Inequalities Unit Test	6.EE.G.9 6.EE.F.7	<p>Solve a real-world problem by solving an equation in the form $x + p = q$, limited to nonnegative rational numbers.</p> <p>Represent two quantities in a real-world problem that change in relationship to one another.</p> <p>Solve a real-world problem by writing and solving an equation in the form $px = q$, limited to nonnegative rational numbers.</p>
U6.16 Equations and Inequalities Extended Problems	6.EE.F.7 6.EE.F.8	<p>Evaluate a numerical expression involving whole-number exponents.</p> <p>Represent a real-world situation using an expression involving whole-number exponents.</p> <p>Determine whether a given number in a specified set makes an equation true, using substitution.</p> <p>Represent a real-world problem using an inequality in the form $x > c$ or $x < c$.</p> <p>Represent a solution of an inequality in the form $x > c$ or $x < c$ on a number line.</p>
U7.1 Math 6 Checkpoint 2.5 Math 6 Checkpoint 2.5	6.NS.B.1 6.NS.C.2 6.NS.C.4a	<p>Solve a real-world problem involving the division of fractions and/or mixed numbers.</p> <p>Solve a real-world problem involving the division of multidigit whole numbers, limited to answers that include a remainder.</p> <p>Determine the greatest common factor of two whole numbers less than or equal to 100.</p>

U8.1 Math 6 Semester A Assessments Your Choice		Take initiative to further your own learning.
U8.2 Math 6 Semester A Assessments Semester A Test, Parts 1 and 2	6.EE.F.6 6.NS.D.8	Represent a real-world situation as an expression, using a variable for the unknown. Solve a real-world problem using ordered pairs in all four quadrants of the coordinate plane.