

Wyoming Department of Education Required Virtual Education Course Syllabus

Niobrara County School District # 1

Program Name	Wyoming Virtual Academy	Content Area	MA
Course ID	CALMS3614	Grade Level	5
Course Name	Math 5 Summit	# of Credits	
SCED Code		Curriculum Type	K12 Inc

COURSE DESCRIPTION

Math 5 Summit is designed to support true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 5 includes the tools and technology that students need to succeed in a blended learning environment. Summit Math 5 focuses on expanding understanding of operations with fractions, developing a greater fluency with operations with multi-digit numbers, expanding understanding of decimals, and learning to perform operations with decimals, learning about the coordinate plane, and exploring volume.

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK (Standard/Indicator) Use the Standards and Benchmarks as Spreadsheets
5.OA.A.1	Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.
5.OA.A.2	Write simple expressions requiring parentheses that record calculations with numbers, and interpret numerical expressions without evaluating them.
5.OA.B.3	Generate two numerical patterns with each pattern having its own rule. Explain informally the relationship(s) between corresponding terms in the two patterns.
5.OA.B.3a	Form ordered pairs consisting of corresponding terms from the two patterns.
5.OA.B.3b	Graph the ordered pairs on a coordinate plane.
5.NBT.C.1	Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.

5.NBT.C.2	Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole number exponents to denote powers of 10.
5.NBT.C.3	Read, write, and compare decimals to thousandths.
5.NBT.C.3a	Read and write decimals to thousandths using base-ten numerals, number names, and expanded form.
5.NBT.C.3b	Compare two decimals to thousandths based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols.
5.NBT.C.4	Use place value understanding to round decimals to any place to a given place. Assessment Boundary: Limit place value to the thousandths.
5.NBT.D.5	Multiply multi-digit whole numbers using place value strategies including the standard algorithm.
5.NBT.D.6	Find whole-number quotients with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of multiplication, and/or the relationship between multiplication and division, including the standard algorithm. Use appropriate models to illustrate and explain the calculation, such as equations, rectangular arrays, and/or area models. Assessment Boundary: The standard algorithm for division will not be assessed.
5.NBT.D.7	Add, subtract, multiply, and divide decimals to hundredths using concrete models or drawings, and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; Relate the strategy to a written method and explain the reasoning used.
5.NF.E.1	Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.
5.NF.E.2	Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.
5.NF.E.3	Interpret a fraction as division of the numerator by the denominator ($a/b = a \div b$). Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers by using visual fraction models or equations to represent the problem.
5.NF.F.4	Extend the concept of multiplication to multiply a fraction or whole number by a fraction.

5.NF.F.4a	Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths.
5.NF.F.4b	Interpret multiplication of a fraction by a whole number and a whole number by a fraction and compute the product.
5.NF.F.4c	Interpret multiplication in which both factors are fractions less than one and compute the product.
5.NF.F.5	Justify the reasonableness of a product when multiplying with fractions.
5.NF.F.6	Solve real world problems involving multiplication of fractions and mixed numbers by using visual fraction models or equations to represent the problem.
5.NF.F.7	Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations.
5.NF.F.7a	Interpret division of a unit fraction by a non-zero whole number and compute the quotient.
5.NF.F.7b	Interpret division of a whole number by a unit fraction and compute the quotient.
5.NF.F.7c	Solve real-world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions by using visual fraction models and equations to represent the problem.
5.MD.G.1	Solve multi-step real world problems by converting among different-sized standard measurement units within a given measurement system.
5.MD.H.2	Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Use operations on fractions to solve problems involving information presented in line plots.
5.MD.I.3	Recognize volume as an attribute of three-dimensional figures and understand concepts of volume measurement such as "unit cube" and a volume of n cubic units.
5.MD.I.4	Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units.
5.MD.I.5	Relate volume to the operations of multiplication and solve real world and mathematical problems involving volume.
5.MD.I.5a	Find the volume of a right rectangular prism with whole number dimensions by multiplying them. Show that this volume is the same as when counting unit cubes.
5.MD.I.5b	Find volumes of right rectangular prisms with whole-number edge lengths in the context of solving real world and mathematical problems given the formulas $V = (l)(w)(h)$ and $V = (B)(h)$ for rectangular prisms.
5.G.J.1	Understand a coordinate system.

5.G.J.1a	The x- and y- axes are perpendicular number lines that intersect at 0 (the origin).
5.G.J.1b	Any point on the coordinate plane can be represented by its coordinates.
5.G.J.1c	The first number in an ordered pair is the x-coordinate and represents the horizontal distance from the origin.
5.G.J.1d	The second number in an ordered pair is the y-coordinate and represents the vertical distance from the origin.
5.G.J.2	Plot and interpret points in the first quadrant of the coordinate plane to represent real-world and mathematical situations.
5.G.K.3	Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category. Assessment Boundary: Use polygons only.
5.G.K.4	Classify polygons in a hierarchy based on properties.

UNIT OUTLINE		
UNIT OUTLINE	STANDARD#	OUTCOMES OBJECTIVES/STUDENT CENTERED GOALS
Numerical Expressions: Using Grouping Symbols (A)	5.OA.A.1 5.NF.E.3	Evaluate a numerical expression with multiple operations, limited to whole numbers and no grouping symbols.
		Evaluate a numerical expression with parentheses, limited to whole numbers.
		Describe a fraction as division of the numerator by the denominator ($a/b = a \div b$).
		Simplify a numerical expression with up to two levels of grouping, limited to expressions without exponents.
		Evaluate an expression with parentheses and/or brackets using the order of operations.
		Interpret or evaluate a numerical or algebraic expression using the order of operations, limited to expressions without exponents.
		Represent, interpret, or evaluate a numerical expression using the order of operations.
Generate equivalent numerical expressions by applying the order of operations.		

		<p>Solve a problem involving whole numbers by applying the order of operations.</p> <p>Evaluate an expression with parentheses or brackets involving whole numbers, using the commutative property of addition and/or multiplication, the associative property of addition and/or multiplication, and/or the distributive property.</p> <p>Evaluate an expression involving whole numbers using properties of arithmetic.</p> <p>Generate equivalent numerical expressions by applying the commutative, associative, and/or distributive property.</p> <p>Apply the properties of operations to generate equivalent numerical expressions.</p> <p>Solve a problem involving whole numbers by applying the commutative, associative, and/or distributive property.</p>
<p>Numerical Expressions: Using Grouping Symbols (B)</p>	<p>5.OA.A.1</p>	<p>Evaluate a numerical expression with parentheses and brackets or braces, limited to whole numbers.</p> <p>Simplify a numerical expression with up to two levels of grouping, limited to expressions without exponents.</p> <p>Describe the meaning of parentheses and/or brackets in a numerical expression.</p> <p>Evaluate an expression with parentheses and/or brackets using the order of operations.</p> <p>Interpret or evaluate a numerical or algebraic expression using the order of operations, limited to expressions without exponents.</p> <p>Represent, interpret, or evaluate a numerical expression using the order of operations.</p> <p>Generate equivalent numerical expressions by applying the order of operations.</p> <p>Solve a problem involving whole numbers by applying the order of operations.</p>
<p>Numerical Expressions: Using Grouping Symbols (C)</p>	<p>5.OA.A.1</p>	<p>Represent a mathematical problem using grouping symbols.</p> <p>Represent a real-world situation using an expression or equation with grouping symbols, limited to parentheses, brackets, or braces.</p>

		<p>Represent or solve a problem using the four operations.</p>
<p>Numerical Expressions: Using Grouping Symbols (D)</p>	<p>5.OA.A.1 5.NF.E.3</p>	<p>Evaluate a numerical expression with multiple operations, limited to whole numbers and no grouping symbols.</p> <p>Evaluate a numerical expression with parentheses, limited to whole numbers.</p> <p>Describe a fraction as division of the numerator by the denominator ($a/b = a \div b$).</p> <p>Evaluate a numerical expression with parentheses and brackets or braces, limited to whole numbers.</p> <p>Represent a mathematical problem using grouping symbols. Represent a real-world situation using an expression or equation with grouping symbols, limited to parentheses, brackets, or braces.</p> <p>Simplify a numerical expression with up to two levels of grouping, limited to expressions without exponents.</p> <p>Describe the meaning of parentheses and/or brackets in a numerical expression.</p> <p>Evaluate an expression with parentheses and/or brackets using the order of operations.</p> <p>Interpret or evaluate a numerical or algebraic expression using the order of operations, limited to expressions without exponents.</p> <p>Represent, interpret, or evaluate a numerical expression using the order of operations.</p> <p>Represent or solve a problem using the four operations.</p> <p>Generate equivalent numerical expressions by applying the order of operations.</p> <p>Solve a problem involving whole numbers by applying the order of operations.</p> <p>Evaluate an expression with parentheses or brackets involving whole numbers, using the commutative property of addition and/or multiplication, the associative property of addition and/or multiplication, and/or the distributive property.</p> <p>Evaluate an expression involving whole numbers using properties of arithmetic.</p>

		<p>Generate equivalent numerical expressions by applying the commutative, associative, and/or distributive property.</p> <p>Apply the properties of operations to generate equivalent numerical expressions.</p> <p>Solve a problem involving whole numbers by applying the commutative, associative, and/or distributive property.</p>
Numerical Expressions: Exploring Numerical Expressions (A)	5.OA.A.2	Translate a simple calculation from words into an expression.
Numerical Expressions: Exploring Numerical Expressions (B)	5.OA.A.2	<p>Translate a simple expression into words.</p> <p>Interpret a simple expression without evaluating them.</p> <p>Translate a simple expression that contains two operations and a grouping symbol into words.</p>
Numerical Expressions: Exploring Numerical Expressions (C)	5.OA.A.2	<p>Translate a simple calculation from words into an expression.</p> <p>Translate a simple expression into words.</p> <p>Interpret a simple expression without evaluating them.</p> <p>Translate a simple expression that contains two operations and a grouping symbol into words.</p>
Numerical Expressions: Big Ideas	5.OA.A.2	<i>Big Ideas lessons require students to synthesize across key objectives within the unit, provide cumulative, spiraling review throughout the year, and offer opportunities to preview upcoming content as a challenge opportunity</i>
Multidigit Whole Number Multiplication and Division: Powers of Ten (A)	5.NBT.C.2	<p>Represent a power of 10 as a product in which every factor is 10.</p> <p>Represent a power of 10 using a whole-number exponent.</p> <p>Evaluate the value of a power of 10.</p>
Multidigit Whole Number Multiplication and Division: Powers of Ten (B)	5.NBT.C.2	<p>Describe the pattern in the number of zeros of a product when multiplying a number by a power of 10.</p> <p>Multiply a whole number by a power of 10 using the number of zeros in the power of 10, limited to whole-number exponents.</p>
Multidigit Whole Number Multiplication	5.NBT.C.2	<p>Represent a power of 10 as a product in which every factor is .</p> <p>Represent a power of 10 using a whole-number exponent.</p>

and Division: Powers of Ten (C)		Describe the pattern in the number of zeros of a product when multiplying a number by a power of 10. Multiply a whole number by a power of 10 using the number of zeros in the power of , limited to whole-number exponents.
Multidigit Whole Number Multiplication and Division: Multidigit Whole Number Multiplication (A)	5.NBT.D.5	Multiply multidigit whole numbers.
Multidigit Whole Number Multiplication and Division: Multidigit Whole Number Multiplication (B)	5.NBT.D.5	Solve a real-world problem using multiplication of multidigit whole numbers. Estimate the solution to a mathematical or real-world problem involving addition, subtraction, multiplication, and/or division. Estimate the solution to an arithmetic problem to assess the reasonableness of the results.
Multidigit Whole Number Multiplication and Division: Multidigit Whole Number Multiplication (C)	5.NBT.D.5	Multiply multidigit whole numbers. Solve a real-world problem using multiplication of multidigit whole numbers. Estimate the solution to a mathematical or real-world problem involving addition, subtraction, multiplication, and/or division. Estimate the solution to an arithmetic problem to assess the reasonableness of the results.
Multidigit Whole Number Multiplication and Division: Multidigit Division Strategies (A)	5.NBT.D.6	Describe a division calculation using rectangular arrays or area models, limited to problems with up to four-digit dividends and two-digit divisors.
Multidigit Whole Number Multiplication and Division: Multidigit Division Strategies (B)	5.NBT.D.6	Describe a division calculation using equations, limited to whole numbers, up to four-digit dividends and two-digit divisors.
Multidigit Whole Number Multiplication and Division:	5.NBT.D.6	Describe a division calculation using rectangular arrays or area models, limited to problems with up to four-digit dividends and two-digit divisors.

Multidigit Division Strategies (C)		Describe a division calculation using equations, limited to whole numbers, up to four-digit dividends and two-digit divisors.
Multidigit Whole Number Multiplication and Division: Multidigit Division Algorithm (A)	5.NBT.D.6	<p>Divide a two-digit number by a two-digit number.</p> <p>Determine a whole-number quotient and remainder with up to four-digit dividends and two-digit divisor.</p> <p>Represent a quotient in a variety of ways, including a whole number with a remainder, a fraction or mixed number, or a decimal.</p> <p>Solve a real-world problem using division of whole numbers with two-digit dividends and two-digit divisors.</p> <p>Explain how the remainder affects the solution to a real-world division problem.</p> <p>Select or interpret the most useful form of the quotient for the solution.</p>
Multidigit Whole Number Multiplication and Division: Multidigit Division Algorithm (B)	5.NBT.D.6	<p>Divide a three-digit number by a two-digit number.</p> <p>Determine a whole-number quotient and remainder with up to four-digit dividends and two-digit divisor.</p> <p>Represent a quotient in a variety of ways, including a whole number with a remainder, a fraction or mixed number, or a decimal.</p> <p>Solve a real-world problem using division of whole numbers with three-digit dividends and two-digit divisors.</p> <p>Estimate the solution to a mathematical or real-world problem involving addition, subtraction, multiplication, and/or division.</p> <p>Estimate to determine the reasonableness of a solution to a mathematical or real-world problem involving division.</p> <p>Determine the reasonableness of an answer to an arithmetic problem using estimation, limited to division problems in which either the dividend or the divisor is a whole number.</p> <p>Explain how the remainder affects the solution to a real-world division problem.</p> <p>Select or interpret the most useful form of the quotient for the solution.</p>
Multidigit Whole Number Multiplication	5.NBT.D.6	Divide a four-digit number by a two-digit number.

<p>and Division: Multidigit Division Algorithm (C)</p>		<p>Determine a whole-number quotient and remainder with up to four-digit dividends and two-digit divisor.</p> <p>Represent a quotient in a variety of ways, including a whole number with a remainder, a fraction or mixed number, or a decimal.</p> <p>Solve a real-world problem using division of whole numbers with four-digit dividends and two-digit divisors.</p> <p>Estimate the solution to a mathematical or real-world problem involving addition, subtraction, multiplication, and/or division.</p> <p>Estimate to determine the reasonableness of a solution to a mathematical or real-world problem involving division.</p> <p>Determine the reasonableness of an answer to an arithmetic problem using estimation, limited to division problems in which either the dividend or the divisor is a whole number.</p> <p>Explain how the remainder affects the solution to a real-world division problem.</p> <p>Select or interpret the most useful form of the quotient for the solution.</p>
<p>Multidigit Whole Number Multiplication and Division: Multidigit Division Algorithm (D)</p>	<p>5.NBT.D.6</p>	<p>Divide a two-digit number by a two-digit number.</p> <p>Determine a whole-number quotient and remainder with up to four-digit dividends and two-digit divisor.</p> <p>Represent a quotient in a variety of ways, including a whole number with a remainder, a fraction or mixed number, or a decimal.</p> <p>Solve a real-world problem using division of whole numbers with two-digit dividends and two-digit divisors.</p> <p>Explain how the remainder affects the solution to a real-world division problem.</p> <p>Select or interpret the most useful form of the quotient for the solution.</p> <p>Divide a three-digit number by a two-digit number.</p> <p>Solve a real-world problem using division of whole numbers with three-digit dividends and two-digit divisors.</p>

		<p>Estimate the solution to a mathematical or real-world problem involving addition, subtraction, multiplication, and/or division.</p> <p>Estimate to determine the reasonableness of a solution to a mathematical or real-world problem involving division.</p> <p>Determine the reasonableness of an answer to an arithmetic problem using estimation, limited to division problems in which either the dividend or the divisor is a whole number.</p> <p>Divide a four-digit number by a two-digit number.</p> <p>Solve a real-world problem using division of whole numbers with four-digit dividends and two-digit divisors.</p>
Addition and Subtraction of Fractions : Addition of Fractions (A)	5.NF.E.2	<p>Add fractions with like denominators.</p> <p>Solve a real-world problem involving the addition of fractions referring to the same whole, including cases of unlike denominators.</p> <p>Solve a real-world problem involving the addition and/or subtraction of fractions and/or mixed numbers with like denominators.</p>
Addition and Subtraction of Fractions : Addition of Fractions (B)	5.NF.E.1	<p>Determine equivalent fractions.</p> <p>Decompose a whole number into prime factors.</p> <p>Decompose a number into prime factors, limited to whole numbers 2 to 50.</p> <p>Explain that prime numbers only have two factors.</p>
Addition and Subtraction of Fractions : Addition of Fractions (C)	5.NF.E.1	<p>Determine equivalent fractions.</p> <p>Represent an improper fraction as a mixed number, or a mixed number as an improper fraction.</p>
Addition and Subtraction of Fractions : Addition of Fractions (D)	5.NF.E.1	<p>Add fractions with unlike denominators.</p> <p>Determine the reasonableness of an answer to an addition problem involving fractions with unlike denominators referring to the same whole.</p> <p>Determine the least common denominator of two or more fractions.</p>

		<p>Solve a problem involving the addition and/or subtraction of fractions and/or mixed numbers with unlike denominators, and justify the solution.</p> <p>Add or subtract fractions, using the concept of equivalency.</p>
Addition and Subtraction of Fractions : Addition of Fractions (E)	<p>5.NF.E.1</p> <p>5.NF.E.2</p>	<p>Solve a real-world problem involving the addition of fractions referring to the same whole, including cases of unlike denominators.</p> <p>Estimate the answer to an addition problem involving fractions with unlike denominators referring to the same whole.</p> <p>Determine the reasonableness of an answer to an addition problem involving fractions with unlike denominators referring to the same whole.</p> <p>Solve a problem involving the addition and/or subtraction of fractions and/or mixed numbers with unlike denominators, and justify the solution.</p> <p>Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.</p>
Addition and Subtraction of Fractions : Addition of Fractions (F)	<p>5.NF.E.1</p> <p>5.NF.E.2</p>	<p>Solve a multistep computation, using addition and/or subtraction of fractions and/or mixed numbers with unlike denominators.</p> <p>Solve a multistep real-world problem involving the addition and/or subtraction of fractions and/or mixed numbers.</p> <p>Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.</p>
Addition and Subtraction of Fractions : Addition of Fractions (G)	<p>5.NF.E.1</p> <p>5.NF.E.2</p>	<p>Solve a real-world problem involving the addition of fractions referring to the same whole, including cases of unlike denominators.</p> <p>Determine equivalent fractions.</p> <p>Add fractions with unlike denominators.</p> <p>Determine the reasonableness of an answer to an addition problem involving fractions with unlike denominators referring to the same whole.</p> <p>Estimate the answer to an addition problem involving fractions with unlike denominators referring to the same whole.</p>

		<p>Solve a multistep computation, using addition and/or subtraction of fractions and/or mixed numbers with unlike denominators.</p> <p>Solve a multistep real-world problem involving the addition and/or subtraction of fractions and/or mixed numbers.</p>
Addition and Subtraction of Fractions : Subtraction of Fractions (A)	<p>5.NF.E.1</p> <p>5.NF.E.2</p>	<p>Subtract fractions with like denominators.</p> <p>Solve a real-world problem involving the subtraction of fractions referring to the same whole, including cases of unlike denominators.</p> <p>Solve a real-world problem involving the addition and/or subtraction of fractions and/or mixed numbers with like denominators.</p>
Addition and Subtraction of Fractions : Subtraction of Fractions (B)	5.NF.E.1	Subtract fractions with unlike denominators.
Addition and Subtraction of Fractions : Subtraction of Fractions (C)	5.NF.E.1	<p>Subtract fractions with unlike denominators.</p> <p>Determine the reasonableness of an answer to a subtraction problem involving fractions with unlike denominators referring to the same whole.</p> <p>Solve a problem involving the addition and/or subtraction of fractions and/or mixed numbers with unlike denominators, and justify the solution.</p> <p>Add or subtract fractions, using the concept of equivalency.</p>
Addition and Subtraction of Fractions : Subtraction of Fractions (D)	<p>5.NF.E.1</p> <p>5.NF.E.2</p>	<p>Solve a real-world problem involving the subtraction of fractions referring to the same whole, including cases of unlike denominators.</p> <p>Estimate the answer to a subtraction problem involving fractions with unlike denominators referring to the same whole.</p> <p>Determine the reasonableness of an answer to a subtraction problem involving fractions with unlike denominators referring to the same whole.</p> <p>Solve a problem involving the addition and/or subtraction of fractions and/or mixed numbers with unlike denominators, and justify the solution.</p>

		Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.
Addition and Subtraction of Fractions : Subtraction of Fractions (E)	5.NF.E.2	<p>Solve a multistep computation, using addition and/or subtraction of fractions and/or mixed numbers with unlike denominators.</p> <p>Solve a multistep real-world problem involving the addition and/or subtraction of fractions and/or mixed numbers.</p> <p>Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.</p>
Addition and Subtraction of Fractions : Subtraction of Fractions (F)	5.NF.E.1 5.NF.E.2	<p>Solve a real-world problem involving the subtraction of fractions referring to the same whole, including cases of unlike denominators.</p> <p>Subtract fractions with unlike denominators.</p> <p>Determine the reasonableness of an answer to a subtraction problem involving fractions with unlike denominators referring to the same whole.</p> <p>Estimate the answer to a subtraction problem involving fractions with unlike denominators referring to the same whole.</p> <p>Solve a multistep computation, using addition and/or subtraction of fractions and/or mixed numbers with unlike denominators.</p> <p>Solve a multistep real-world problem involving the addition and/or subtraction of fractions and/or mixed numbers.</p> <p>Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.</p>
Addition and Subtraction of Fractions : Big Ideas		<i>Big Ideas lessons require students to synthesize across key objectives within the unit, provide cumulative, spiraling review throughout the year, and offer opportunities to preview upcoming content as a challenge opportunity</i>
Addition and Subtraction of Mixed Numbers: Addition of Mixed Numbers (A)	5.NF.E.1	Add fractions and/or mixed numbers with like denominators. mixed numbers with like denominators.

Addition and Subtraction of Mixed Numbers: Addition of Mixed Numbers (B)	5.NF.E.1	Add mixed numbers with unlike denominators. Add fractions and/or mixed numbers with unlike denominators.
Addition and Subtraction of Mixed Numbers: Addition of Mixed Numbers (C)	5.NF.E.1 5.NF.E.2	Solve a real-world problem involving the addition of fractions and/or mixed numbers. Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.
Addition and Subtraction of Mixed Numbers: Addition of Mixed Numbers (D)	5.NF.E.1 5.NF.E.2	Add fractions and/or mixed numbers with like denominators. Add mixed numbers with like denominators. Add mixed numbers with unlike denominators. Add fractions and/or mixed numbers with unlike denominators. Solve a real-world problem involving the addition of fractions and/or mixed numbers. Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.
Addition and Subtraction of Mixed Numbers: Subtraction of Mixed Numbers (A)	5.NF.E.1	Subtract fractions and/or mixed numbers with like denominators. Subtract mixed numbers with like denominators.
Addition and Subtraction of Mixed Numbers: Subtraction of Mixed Numbers (B)	5.NF.E.1	Subtract mixed numbers with unlike denominators. Subtract fractions and/or mixed numbers with unlike denominators.
Addition and Subtraction of Mixed Numbers: Subtraction of Mixed Numbers (C)	5.NF.E.1 5.NF.E.2	Solve a real-world problem involving the subtraction of fractions and/or mixed numbers. Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.
Addition and Subtraction of Mixed Numbers: Subtraction of Mixed Numbers (D)	5.NF.E.1 5.NF.E.2	Subtract fractions and/or mixed numbers with like denominators. Subtract mixed numbers with like denominators.

		<p>Subtract mixed numbers with unlike denominators.</p> <p>Subtract fractions and/or mixed numbers with unlike denominators.</p> <p>Solve a real-world problem involving the subtraction of fractions and/or mixed numbers.</p> <p>Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.</p>
Addition and Subtraction of Mixed Numbers: Addition and Subtraction of Mixed Numbers (A)	5.NF.E.1	Solve a multistep computation, using addition and/or subtraction of fractions and/or mixed numbers with unlike denominators.
Addition and Subtraction of Mixed Numbers: Addition and Subtraction of Mixed Numbers (B)	5.NF.E.1 5.NF.E.2	<p>Solve a multistep real-world problem involving the addition and/or subtraction of fractions and/or mixed numbers.</p> <p>Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.</p> <p>Solve a real-world problem involving elapsed time between world time zones.</p>
Addition and Subtraction of Mixed Numbers: Addition and Subtraction of Mixed Numbers (C)	5.NF.E.1 5.NF.E.2	<p>Solve a multistep computation, using addition and/or subtraction of fractions and/or mixed numbers with unlike denominators.</p> <p>Solve a multistep real-world problem involving the addition and/or subtraction of fractions and/or mixed numbers.</p> <p>Solve a single- or multistep real-world problem involving addition and/or subtraction with fractions and/or mixed numbers.</p> <p>Solve a real-world problem involving elapsed time between world time zones.</p>
Multiplication with Fractions and Mixed Numbers : Multiplying with Fractions (A)	5.NF.E.3	<p>Solve a real-world problem involving division of whole numbers leading to answers in the form of fractions or mixed numbers, by using equations to represent the problem.</p> <p>Solve a real-world problem involving division of whole numbers leading to answers in the form of fractions or mixed numbers by using visual models to represent the problem.</p>

Multiplication with Fractions and Mixed Numbers : Multiplying with Fractions (B)	5.NF.F.5	<p>Represent the product of a fraction and a whole number using a visual model or equation.</p> <p>Show or describe how multiplying a given number by a fraction less than 1 results in a product less than the given number.</p>
Multiplication with Fractions and Mixed Numbers : Multiplying with Fractions (C)	5.NF.F.4	<p>Represent the product of a fraction and a whole number in a story context.</p> <p>Multiply a fraction by a whole number.</p>
Multiplication with Fractions and Mixed Numbers : Multiplying with Fractions (D)	5.NF.F.4b	<p>Represent the product of two fractions, using a visual model or equation.</p> <p>Determine the area of a rectangle with fractional side lengths by tiling it with unit squares of the appropriate unit fraction side lengths, limited to fractions less than 1.</p> <p>Solve a real-world problem involving multiplication of fractions, using a visual fraction model to represent the problem.</p> <p>Represent fraction products as rectangular areas.</p> <p>Identify the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths.</p>
Multiplication with Fractions and Mixed Numbers : Multiplying with Fractions (E)	5.NF.F.4a 5.NF.F.4b 5.NF.F.5	<p>Multiply fractions.</p> <p>Represent the product of two fractions in a story context.</p> <p>Determine the area of a rectangle with fractional side lengths by multiplying the side lengths, limited to fractions less than 1.</p> <p>Solve a real-world problem related to the area of rectangles with fractional side lengths, limited to fractions less than 1.</p> <p>Compare the area of a rectangle, with fractional side lengths, that is determined by tiling the area or determined by multiplying the side lengths, using a visual model or written explanation.</p> <p>Solve a real-world problem involving multiplication of fractions, using an equation or expression to represent the problem.</p> <p>Show or describe that the principle of fraction equivalence $a/b = (n \times a) / (n \times b)$ is equivalent to multiplying a/b by 1.</p>
Multiplication with Fractions and Mixed	5.NF.F.4 5.NF.F.4a	

Numbers : Multiplying
with Fractions (F)

5.NF.F.4b

Solve a real-world problem involving division of whole numbers leading to answers in the form of fractions or mixed numbers, by using equations to represent the problem.

5.NF.F.4c

5.NF.F.5

Solve a real-world problem involving division of whole numbers leading to answers in the form of fractions or mixed numbers by using visual models to represent the problem.

Represent the product of a fraction and a whole number using a visual model or equation.

Show or describe how multiplying a given number by a fraction less than 1 results in a product less than the given number.

Represent the product of a fraction and a whole number in a story context.

Multiply a fraction by a whole number.

Represent the product of two fractions, using a visual model or equation.

Determine the area of a rectangle with fractional side lengths by tiling it with unit squares of the appropriate unit fraction side lengths, limited to fractions less than 1.

Solve a real-world problem involving multiplication of fractions, using a visual fraction model to represent the problem.

Represent fraction products as rectangular areas.

Multiply fractions.

Represent the product of two fractions in a story context.

Determine the area of a rectangle with fractional side lengths by multiplying the side lengths, limited to fractions less than 1.

Solve a real-world problem related to the area of rectangles with fractional side lengths, limited to fractions less than 1.

Compare the area of a rectangle, with fractional side lengths, that is determined by tiling the area or determined by multiplying the side lengths, using a visual model or written explanation.

Solve a real-world problem involving multiplication of fractions, using an equation or expression to represent the problem.

Show or describe that the principle of fraction equivalence $\frac{a}{b} = \frac{n \times a}{n \times b}$ is equivalent to multiplying $\frac{a}{b}$ by 1.

<p>Multiplication with Fractions and Mixed Numbers : Multiplying with Mixed Numbers (A)</p>	<p>5.NF.F.6 5.NF.F.5</p>	<p>Solve a real-world problem involving multiplication of fractions and mixed numbers, limited to using a fraction model to represent the problem.</p> <p>Solve a real-world problem involving multiplication of mixed numbers, limited to using a fraction model to represent the problem.</p> <p>Show or describe how multiplying a given number by a fraction greater than 1 results in a product greater than the given number.</p> <p>Compare the size of a product to the size of one factor on the basis of the size of the other factor, without performing the indicated multiplication.</p>
<p>Multiplication with Fractions and Mixed Numbers : Multiplying with Mixed Numbers (B)</p>	<p>5.NF.F.6</p>	<p>Multiply fractions and mixed numbers.</p> <p>Multiply mixed numbers.</p>
<p>Multiplication with Fractions and Mixed Numbers : Multiplying with Mixed Numbers (C)</p>	<p>5.NF.F.6</p>	<p>Solve a real-world problem involving the multiplication of a fraction and a mixed number.</p> <p>Solve a real-world problem involving multiplication of mixed numbers, using an equation or expression to represent the problem.</p>
<p>Multiplication with Fractions and Mixed Numbers : Multiplying with Mixed Numbers (D)</p>	<p>5.NF.F.4 5.NF.F.4a 5.NF.F.5 5.NF.F.6</p>	<p>Solve a real-world problem involving multiplication of fractions and mixed numbers, limited to using a fraction model to represent the problem.</p> <p>Solve a real-world problem involving multiplication of mixed numbers, limited to using a fraction model to represent the problem.</p> <p>Show or describe how multiplying a given number by a fraction greater than 1 results in a product greater than the given number.</p> <p>Compare the size of a product to the size of one factor on the basis of the size of the other factor, without performing the indicated multiplication.</p>

		<p>Multiply fractions and mixed numbers.</p> <p>Multiply mixed numbers.</p> <p>Solve a real-world problem involving the multiplication of a fraction and a mixed number.</p> <p>Solve a real-world problem involving multiplication of mixed numbers, using an equation or expression to represent the problem.</p>
Division with Unit Fractions: Unit Fractions Divided by Whole Numbers (A)	5.NF.F.7	<p>Describe division of a unit fraction by a nonzero whole number, using story contexts or a visual model.</p> <p>Determine the quotient of a unit fraction and a nonzero whole number, using a visual model.</p>
Division with Unit Fractions: Unit Fractions Divided by Whole Numbers (B)	5.NF.F.7 5.NF.F.7a	<p>Describe division of a unit fraction by a nonzero whole number, using story contexts or a visual model.</p> <p>Determine the quotient of a unit fraction and a nonzero whole number, using story contexts.</p> <p>Solve a real-world problem involving division of a unit fraction by a nonzero whole number.</p>
Division with Unit Fractions: Unit Fractions Divided by Whole Numbers (C)	5.NF.F.7a	<p>Determine the quotient of a unit fraction and a nonzero whole number, using the relationship between multiplication and division.</p> <p>Justify a conclusion to a division problem involving a unit fraction by a non-zero whole number using the relationship between multiplication and division.</p>
Division with Unit Fractions: Unit Fractions Divided by Whole Numbers (D)	5.NF.F.7b	<p>Divide a unit fraction by a nonzero whole number.</p>
Division with Unit Fractions: Unit Fractions Divided by Whole Numbers (E)	5.NF.F.7a	<p>Solve a real-world problem involving division of a unit fraction by a nonzero whole number.</p>

<p>Division with Unit Fractions: Unit Fractions Divided by Whole Numbers (F)</p>	<p>5.NF.F.7 5.NF.F.7a</p>	<p>Describe division of a unit fraction by a nonzero whole number, using story contexts or a visual model.</p> <p>Determine the quotient of a unit fraction and a nonzero whole number, using a visual model.</p> <p>Determine the quotient of a unit fraction and a nonzero whole number, using story contexts.</p> <p>Solve a real-world problem involving division of a unit fraction by a nonzero whole number.</p> <p>Determine the quotient of a unit fraction and a nonzero whole number, using the relationship between multiplication and division.</p> <p>Divide a unit fraction by a nonzero whole number.</p>
<p>Division with Unit Fractions: Whole Numbers Divided by Unit Fractions (A)</p>	<p>5.NF.F.7b</p>	<p>Describe division of a whole number by a unit fraction, using story contexts, a visual model, or the relationship between multiplication and division.</p> <p>Determine the quotient of a whole number and a unit fraction, using a visual model.</p>
<p>Division with Unit Fractions: Whole Numbers Divided by Unit Fractions (B)</p>	<p>5.NF.F.7b 5.NF.F.7c</p>	<p>Describe division of a whole number by a unit fraction, using story contexts, a visual model, or the relationship between multiplication and division.</p> <p>Determine the quotient of a whole number and a unit fraction, using story contexts.</p> <p>Solve a real-world problem involving division of a whole number by a unit fraction.</p>
<p>Division with Unit Fractions: Whole Numbers Divided by Unit Fractions (C)</p>	<p>5.NF.F.7b</p>	<p>Describe division of a whole number by a unit fraction, using story contexts, a visual model, or the relationship between multiplication and division.</p> <p>Determine the quotient of a whole number and a unit fraction, using the relationship between multiplication and division.</p>

Division with Unit Fractions: Whole Numbers Divided by Unit Fractions (D)	5.NF.F.7b	Divide a whole number by a unit fraction.
Division with Unit Fractions: Whole Numbers Divided by Unit Fractions (E)	5.NF.F.7c	Solve a real-world problem involving division of a whole number by a unit fraction.
Division with Unit Fractions: Whole Numbers Divided by Unit Fractions (F)	5.NF.F.7b 5.NF.F.7c	<p>Describe division of a whole number by a unit fraction, using story contexts, a visual model, or the relationship between multiplication and division.</p> <p>Determine the quotient of a whole number and a unit fraction, using a visual model.</p> <p>Determine the quotient of a whole number and a unit fraction, using story contexts.</p> <p>Solve a real-world problem involving division of a whole number by a unit fraction.</p> <p>Determine the quotient of a whole number and a unit fraction, using the relationship between multiplication and division.</p> <p>Divide a whole number by a unit fraction.</p>
Geometric Measurement: Volume : Measuring Volume (A)	5.MD.I.3 5.MD.I.4 5.MD.I.5a	<p>Describe a unit cube.</p> <p>Describe the concept of volume.</p> <p>Determine the volume of a solid figure by counting unit cubes.</p> <p>Determine the volume of a right rectangular prism with whole-number side lengths by counting unit cubes.</p> <p>Determine the volume of a rectangular prism using a concrete model by counting cubit units.</p> <p>Estimate the volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes.</p> <p>Describe that the volume of a right rectangular prism can be found by stacking multiple layers of the base.</p>

<p>Geometric Measurement: Volume : Measuring Volume (B)</p>	<p>5.MD.I.3 5.MD.I.4 5.MD.I.5a</p>	<p>Determine the volume of a solid figure by counting cubic centimeters, cubic inches, cubic feet, or improvised units.</p> <p>Estimate volume by counting unit cubes, limited to cubic centimeters, cubic feet, or non-standard units.</p> <p>Determine the volume of a rectangular prism using a concrete model by counting cubit units.</p> <p>Estimate the volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes.</p>
<p>Geometric Measurement: Volume : Measuring Volume (C)</p>	<p>5.MD.I.3 5.MD.I.4 5.MD.I.5a</p>	<p>Describe a unit cube.</p> <p>Describe the concept of volume.</p> <p>Determine the volume of a solid figure by counting unit cubes.</p> <p>Determine the volume of a right rectangular prism with whole-number side lengths by counting unit cubes.</p> <p>Determine the volume of a solid figure by counting cubic centimeters, cubic inches, cubic feet, or improvised units.</p> <p>Determine the volume of a rectangular prism using a concrete model by counting cubit units.</p> <p>Estimate the volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes.</p> <p>Describe that the volume of a right rectangular prism can be found by stacking multiple layers of the base.</p> <p>Estimate volume by counting unit cubes, limited to cubic centimeters, cubic feet, or non-standard units.</p>
<p>Geometric Measurement: Volume : Calculating Volume (A)</p>	<p>5.MD.I.5</p>	<p>Represent the volume of a right rectangular prism with whole-number side lengths as the product of its three dimensions.</p> <p>Represent the volume of a right rectangular prism with whole-number side lengths as the product of its height and the area of its base.</p> <p>Show that finding the volume of a right rectangular prism by multiplying its edge lengths or multiplying the area of the base</p>

		<p>by the height gives the same result as counting the unit cubes needed to pack the prism.</p> <p>Describe that the volume of a right rectangular prism can be found by stacking multiple layers of the base.</p>
<p>Geometric Measurement: Volume : Calculating Volume (B)</p>	<p>5.MD.I.5b</p>	<p>Solve a mathematical problem involving the volume of right rectangular prisms using the formula $V = l \times w \times h$, limited to whole number edge lengths.</p> <p>Solve a mathematical problem involving the volume of right rectangular prisms using the formula $V = Bh$, limited to whole number edge lengths.</p> <p>Describe multiple strategies or equations that can be used to determine the volume of a right rectangular prism.</p> <p>Develop or use the formula $V = lwh$ and $V = Bh$ to determine the volume of rectangular prisms.</p> <p>Develop the formulas for the volume of a rectangular prism using concrete objects or pictorial models, including $V = l \times w \times h$, $V = s \times s \times s$, and $V = Bh$.</p>
<p>Geometric Measurement: Volume : Calculating Volume (C)</p>	<p>5.MD.I.5b</p>	<p>Solve a mathematical problem involving the volume of right rectangular prisms using the formula $V = l \times w \times h$, limited to whole number edge lengths.</p> <p>Solve a mathematical problem involving the volume of right rectangular prisms using the formula $V = Bh$, limited to whole number edge lengths.</p> <p>Describe multiple strategies or equations that can be used to determine the volume of a right rectangular prism.</p>
<p>Geometric Measurement: Volume : Calculating Volume (D)</p>	<p>5.MD.I.5b</p>	<p>Represent the volume of a right rectangular prism with whole-number side lengths as the product of its three dimensions.</p> <p>Represent the volume of a right rectangular prism with whole-number side lengths as the product of its height and the area of its base.</p> <p>Show that finding the volume of a right rectangular prism by multiplying its edge lengths or multiplying the area of the base</p>

		<p>by the height gives the same result as counting the unit cubes needed to pack the prism.</p> <p>Solve a mathematical problem involving the volume of right rectangular prisms using the formula $V = l \times w \times h$, limited to whole number edge lengths.</p> <p>Solve a mathematical problem involving the volume of right rectangular prisms using the formula $V = Bh$, limited to whole number edge lengths.</p> <p>Describe multiple strategies or equations that can be used to determine the volume of a right rectangular prism.</p>
Geometric Measurement: Volume : Volume and Problem Solving (A)	5.MD.I.5b	<p>Solve a real-world problem involving the volume of right rectangular prisms using the formula $V = Bh$, limited to whole number edge lengths.</p> <p>Solve a real-world problem involving the volume of right rectangular prisms using the formula $V = l \times w \times h$, limited to whole number edge lengths.</p>
Geometric Measurement: Volume : Volume and Problem Solving (B)	5.MD.I.5b	<p>Determine the volume of a solid figure composed of two non-overlapping right rectangular prisms.</p> <p>Solve a real world problem by decomposing a solid figure into two non-overlapping right rectangular prisms in order to find its volume.</p>
Geometric Measurement: Volume : Volume and Problem Solving (C)	5.MD.I.5b	<p>Solve a real-world problem involving the volume of right rectangular prisms using the formula $V = Bh$, limited to whole number edge lengths.</p> <p>Solve a real-world problem involving the volume of right rectangular prisms using the formula $V = l \times w \times h$, limited to whole number edge lengths.</p> <p>Determine the volume of a solid figure composed of two non-overlapping right rectangular prisms.</p> <p>Solve a real world problem by decomposing a solid figure into two non-overlapping right rectangular prisms in order to find its volume.</p>

Decimals: Exploring Decimals (A)	5.NBT.C.3 5.NBT.C.3a	<p>Represent a decimal given in standard form in expanded form, limited to decimals to the thousandths place.</p> <p>Represent a decimal given in expanded form in standard form, limited to decimals to the thousandths place.</p>
Decimals: Exploring Decimals (B)	5.NBT.C.3 5.NBT.C.3a	Represent a decimal using a number name, or represent a number name using a decimal, limited to the thousandths place.
Decimals: Exploring Decimals (C)	5.NBT.C.3 5.NBT.C.3a	<p>Represent a decimal on a number line, limited to decimals with or decimal places.</p> <p>Represent a decimal on a number line, limited to decimals to the thousandths place.</p>
Decimals: Exploring Decimals (D)	5.NBT.C.3 5.NBT.C.3a	<p>Represent a decimal given in standard form in expanded form, limited to decimals to the thousandths place.</p> <p>Represent a decimal given in expanded form in standard form, limited to decimals to the thousandths place.</p> <p>Represent a decimal using a number name, or represent a number name using a decimal, limited to the thousandths place.</p> <p>Represent a decimal on a number line, limited to decimals with or decimal places.</p> <p>Represent a decimal on a number line, limited to decimals to the thousandths place.</p>
Decimals: Comparing Decimals (A)	5.NBT.C.3b	<p>Compare two decimals to the tenths place, using the symbols $>$, $=$, or $<$.</p> <p>Compare two decimals to the hundredths place, using the symbols $>$, $=$, or $<$.</p> <p>Compare two decimals to the thousandths place, using the symbols $>$, $=$, or $<$.</p>

Decimals: Comparing Decimals (B)	5.NBT.C.3b	Compare two decimals to different places, using the symbols $>$, $=$, or $<$, limited to the thousandths place.
Decimals: Comparing Decimals (C)	5.NBT.C.3b	<p>Compare two decimals to the tenths place, using the symbols $>$, $=$, or $<$.</p> <p>Compare two decimals to the hundredths place, using the symbols $>$, $=$, or $<$. This is gr</p> <p>Compare two decimals to the thousandths place, using the symbols $>$, $=$, or $<$.</p> <p>Compare two decimals to different places, using the symbols $>$, $=$, or $<$, limited to the thousandths place.</p>
Decimals: Rounding Decimals (A)	5.NBT.C.4	<p>Round a decimal to the nearest whole number.</p> <p>Round a decimal to the tenths place.</p>
Decimals: Rounding Decimals (B)	5.NBT.C.4	<p>Round a decimal to the hundredths place.</p> <p>Round a decimal to the thousandths place.</p>
Decimals: Rounding Decimals (C)	5.NBT.C.4	<p>Round a decimal to the nearest whole number.</p> <p>Round a decimal to the tenths place.</p> <p>Round a decimal to the hundredths place.</p> <p>Round a decimal to the thousandths place.</p>
Decimals: Place Value Relationships to Thousandths (A)	5.NBT.C.1	<p>Describe the multiplicative relationship between the value of two like digits within the same number, or within two numbers, limited to three places apart.</p> <p>Identify that in a multidigit number, including decimals, a digit in any place represents times as much as it represents in the</p>

		place to its right, and / of what it represents in the place to its left.
Decimals: Place Value Relationships to Thousandths (B)	5.NBT.C.1	Describe the multiplicative relationship between the value of two like digits within the same number, or within two numbers, limited to three places apart. Identify that in a multidigit number, including decimals, a digit in any place represents times as much as it represents in the place to its right, and / of what it represents in the place to its left.
Decimals: Place Value Relationships to Thousandths (C)	5.NBT.C.1	Describe the multiplicative relationship between the value of two like digits within the same number, or within two numbers, limited to three places apart. Identify that in a multidigit number, including decimals, a digit in any place represents times as much as it represents in the place to its right, and / of what it represents in the place to its left.
Decimals: Big Ideas	5.NBT.C.3a 5.NBT.C.3b 5.NBT.C.4	Represent a decimal given in standard form in expanded form, limited to decimals to the thousandths place. Represent a decimal given in expanded form in standard form, limited to decimals to the thousandths place. Represent a decimal using a number name, or represent a number name using a decimal, limited to the thousandths place. Represent a decimal on a number line, limited to decimals with or decimal places. Represent a decimal on a number line, limited to decimals to the thousandths place. Compare two decimals to the tenths place, using the symbols $>$, $=$, or $<$. Compare two decimals to the hundredths place, using the symbols $>$, $=$, or $<$. This is gr

		<p>Compare two decimals to the thousandths place, using the symbols $>$, $=$, or $<$.</p> <p>Compare two decimals to different places, using the symbols $>$, $=$, or $<$, limited to the thousandths place.</p> <p>Round a decimal to the nearest whole number.</p> <p>Round a decimal to the tenths place.</p> <p>Round a decimal to the hundredths place.</p> <p>Round a decimal to the thousandths place.</p> <p>Describe the multiplicative relationship between the value of two like digits within the same number, or within two numbers, limited to three places apart. Big Ideas lessons require students to synthesize across key objectives within the unit, provide cumulative, spiraling review throughout the year, and offer opportunities to preview upcoming content as a challenge opportunity</p>
<p>Addition and Subtraction of Decimals: Decimal Addition (A)</p>	<p>5.NBT.D.7</p>	<p>Describe the strategy used to add decimals, limited to the tenths and/or hundredths place.</p> <p>Add decimals, limited to decimals to the tenth place.</p> <p>Model addition or subtraction of fractions or decimals using a variety of representations.</p> <p>Identify the number that is 0.1 more or less than a given number, 0.01 more or less than a given number, or 0.001 more or less than a given number.</p> <p>Estimate the sum or difference of positive decimal numbers.</p>
<p>Addition and Subtraction of Decimals: Decimal Addition (B)</p>	<p>5.NBT.D.7</p>	<p>Describe the strategy used to add decimals, limited to the tenths and/or hundredths place.</p> <p>Add decimals, limited to decimals to the hundredths place.</p> <p>Add decimals, limited to some decimals to the tenths place and some decimals to the hundredths place.</p> <p>Model addition or subtraction of fractions or decimals using a variety of representations.</p>

		<p>Identify the number that is 0.1 more or less than a given number, 0.001 more or less than a given number, or 0.01 more or less than a given number.</p> <p>Estimate the sum or difference of positive decimal numbers.</p>
Addition and Subtraction of Decimals: Decimal Addition (C)	5.NBT.D.7	<p>Describe the strategy used to add decimals, limited to the tenths and/or hundredths place.</p> <p>Add decimals, limited to decimals to the tenth place.</p> <p>Add decimals, limited to decimals to the hundredths place.</p> <p>Add decimals, limited to some decimals to the tenths place and some decimals to the hundredths place.</p> <p>Model addition or subtraction of fractions or decimals using a variety of representations.</p> <p>Identify the number that is 0.1 more or less than a given number, 0.01 more or less than a given number, or 0.001 more or less than a given number.</p> <p>Estimate the sum or difference of positive decimal numbers.</p>
Addition and Subtraction of Decimals: Decimal Subtraction (A)	5.NBT.D.7	<p>Subtract decimals, limited to decimals to the tenths place.</p> <p>Describe the strategy used to subtract decimals, limited to the tenths and/or hundredths place.</p> <p>Model addition or subtraction of fractions or decimals using a variety of representations.</p> <p>Identify the number that is 0.1 more or less than a given number, 0.01 more or less than a given number, or 0.001 more or less than a given number.</p> <p>Estimate the sum or difference of positive decimal numbers.</p>
Addition and Subtraction of Decimals: Decimal Subtraction (B)	5.NBT.D.7	<p>Subtract decimals, limited to decimals to the hundredths place.</p> <p>Subtract a decimal to the tenths place from a decimal to the hundredths place, or a decimal to the hundredths place from a decimal to the tenths place.</p>

		<p>Describe the strategy used to subtract decimals, limited to the tenths and/or hundredths place.</p> <p>Model addition or subtraction of fractions or decimals using a variety of representations.</p> <p>Identify the number that is 0.1 more or less than a given number, 0.01 more or less than a given number, or 0.001 more or less than a given number.</p> <p>Estimate the sum or difference of positive decimal numbers.</p>
<p>Addition and Subtraction of Decimals: Decimal Subtraction (C)</p>	<p>5.NBT.D.7</p>	<p>Subtract decimals, limited to decimals to the tenths place.</p> <p>Describe the strategy used to subtract decimals, limited to the tenths and/or hundredths place.</p> <p>Subtract decimals, limited to decimals to the hundredths place.</p> <p>Subtract a decimal to the tenths place from a decimal to the hundredths place, or a decimal to the hundredths place from a decimal to the tenths place.</p> <p>Model addition or subtraction of fractions or decimals using a variety of representations.</p> <p>Identify the number that is 0.1 more or less than a given number, 0.01 more or less than a given number, or 0.001 more or less than a given number.</p> <p>Estimate the sum or difference of positive decimal numbers.</p>
<p>Addition and Subtraction of Decimals: Add and Subtract Decimals in the Real World (A)</p>	<p>5.NBT.D.7</p>	<p>Solve a real-world problem involving the addition of decimals to the hundredths place.</p> <p>Solve a real-world problem involving the subtraction of decimals to the hundredths place.</p> <p>Solve a real-world problem involving addition, subtraction, and/or division with decimals to the hundredth, including situations that involve money in decimal notation.</p> <p>Determine the reasonableness of an answer to an addition or subtraction problem involving decimals.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p>

		<p>Determine the reasonableness of an answer to a calculation or word problem, limited to positive decimals.</p> <p>Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.</p>
<p>Addition and Subtraction of Decimals: Add and Subtract Decimals in the Real World (B)</p>	<p>5.NBT.D.7</p>	<p>Solve a real-world problem involving the addition of decimals to the hundredths place.</p> <p>Solve a real-world problem involving the subtraction of decimals to the hundredths place.</p> <p>Solve a real-world problem involving the addition of decimals to the tenths place.</p> <p>Solve a real-world problem involving the addition of decimals using both the tenths and hundredths places.</p> <p>Solve a real-world problem involving the subtraction of decimals to the tenths place.</p> <p>Solve a real-world problem involving the subtraction of decimals, using both the tenths and hundredths places.</p> <p>Solve a real-world or mathematical problem involving the addition and/or subtraction of decimals, fractions and/or mixed numbers, including those involving measurement, geometry, or data.</p> <p>Determine the reasonableness of an answer to an addition or subtraction problem involving decimals.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p> <p>Determine the reasonableness of an answer to a calculation or word problem, limited to positive decimals.</p> <p>Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.</p>
<p>Addition and Subtraction of Decimals: Add and Subtract Decimals in the Real World (C)</p>	<p>5.NBT.D.7</p>	<p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Create or solve a single- or multistep practical problem involving addition, subtraction, and/or multiplication of decimals.</p>

		Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.
Addition and Subtraction of Decimals: Add and Subtract Decimals in the Real World (D)	5.NBT.D.7	<p>Solve a real-world problem involving the addition of decimals to the hundredths place.</p> <p>Solve a real-world problem involving the subtraction of decimals to the hundredths place.</p> <p>Solve a real-world problem involving the addition of decimals to the tenths place.</p> <p>Solve a real-world problem involving the addition of decimals using both the tenths and hundredths places.</p> <p>Solve a real-world problem involving the subtraction of decimals to the tenths place.</p> <p>Solve a real-world problem involving the subtraction of decimals, using both the tenths and hundredths places.</p> <p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Solve a real-world problem involving addition, subtraction, and/or division with decimals to the hundredth, including situations that involve money in decimal notation.</p> <p>Determine the reasonableness of an answer to an addition or subtraction problem involving decimals.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p> <p>Determine the reasonableness of an answer to a calculation or word problem, limited to positive decimals.</p> <p>Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.</p> <p>Solve a real-world or mathematical problem involving the addition and/or subtraction of decimals, fractions and/or mixed numbers, including those involving measurement, geometry, or data.</p> <p>Create or solve a single- or multistep practical problem involving addition, subtraction, and/or multiplication of decimals.</p>

		Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.
Multiplication with Decimals: Multiplying Whole Numbers by Decimals (A)	5.NBT.D.7	Describe the strategy used to multiply decimals, limited to the tenths and/or hundredths place. Multiply a whole number by a decimal, limited to a decimal to the hundredths place. Represent multiplication of decimals with a product to the hundredths using objects, a pictorial model, or an area model.
Multiplication with Decimals: Multiplying Whole Numbers by Decimals (B)	5.NBT.D.5 5.NBT.D.7	Multiply a whole number by a decimal, limited to a decimal to the hundredths place. Multiply multidigit whole numbers and/or decimals to the hundredths place, and justify the solution.
Multiplication with Decimals: Multiplying Whole Numbers by Decimals (C)	5.NBT.D.7	Solve a real-world problem involving the multiplication of decimals to the hundredths place. Solve a real-world problem involving the multiplication of decimals to the tenths place.
Multiplication with Decimals: Multiplying Whole Numbers by Decimals (D)	5.NBT.D.5 5.NBT.D.7	Describe the strategy used to multiply decimals, limited to the tenths and/or hundredths place. Multiply a whole number by a decimal, limited to a decimal to the hundredths place. Represent multiplication of decimals with a product to the hundredths using objects, a pictorial model, or an area model. Multiply multidigit whole numbers and/or decimals to the hundredths place, and justify the solution. Solve a real-world problem involving the multiplication of decimals to the hundredths place. Solve a real-world problem involving the multiplication of decimals to the tenths place.
Multiplication with Decimals: Multiplying	5.NBT.C.2	

Decimals by Powers of 10 (A)	5.NBT.D.7	Describe the pattern in the placement of the decimal point when a decimal is multiplied or divided by a power of 10.
Multiplication with Decimals: Multiplying Decimals by Powers of 10 (B)	5.NBT.C.2 5.NBT.D.7	Multiply a decimal number by a power of 10 using the number of zeros in the power of , limited to whole-number exponents.
Multiplication with Decimals: Multiplying Decimals by Powers of 10 (C)	5.NBT.C.2 5.NBT.D.7	Describe the pattern in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Multiply a decimal number by a power of 10 using the number of zeros in the power of 10, limited to whole-number exponents.
Multiplication with Decimals: Multiplying Two Decimals (A)	5.NBT.D.5 5.NBT.D.7	Describe the strategy used to multiply decimals, limited to the tenths and/or hundredths place. Multiply decimals, limited to decimals to the tenths place. Estimate the product or quotient of positive decimal numbers. Multiply multidigit whole numbers and/or decimals to the hundredths place, and justify the solution. Represent multiplication of decimals with a product to the hundredths using objects, a pictorial model, or an area model. Solve a problem by performing operations involving fractions and/or decimals. Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.
Multiplication with Decimals: Multiplying Two Decimals (B)	5.NBT.D.5 5.NBT.D.7	Describe the strategy used to multiply decimals, limited to the tenths and/or hundredths place. Multiply a decimal to the hundredths place by a decimal to the tenth place. Estimate the product or quotient of positive decimal numbers. Multiply multidigit whole numbers and/or decimals to the hundredths place, and justify the solution.

		<p>Represent multiplication of decimals with a product to the hundredths using objects, a pictorial model, or an area model.</p> <p>Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p>
<p>Multiplication with Decimals: Multiplying Two Decimals (C)</p>	<p>5.NBT.D.5 5.NBT.D.7</p>	<p>Describe the strategy used to multiply decimals, limited to the tenths and/or hundredths place.</p> <p>Multiply decimals, limited to decimals to the hundredths place.</p> <p>Estimate the product or quotient of positive decimal numbers.</p> <p>Multiply multidigit whole numbers and/or decimals to the hundredths place, and justify the solution.</p> <p>Represent multiplication of decimals with a product to the hundredths using objects, a pictorial model, or an area model.</p> <p>Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p>
<p>Multiplication with Decimals: Multiplying Two Decimals (D)</p>	<p>5.NBT.D.7</p>	<p>Solve a real-world problem involving the multiplication of decimals to the hundredths place.</p> <p>Solve a real-world problem involving the multiplication of decimals to the tenths place.</p> <p>Solve a real-world problem involving the multiplication of decimals, using both the tenths and hundredths places.</p> <p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.</p> <p>Determine the reasonableness of an answer to a calculation or word problem, limited to positive decimals.</p> <p>Solve a real-world problem involving multiplication with decimals to hundredths that involve money in decimal notation.</p>

		<p>Create or solve a single- or multistep practical problem involving addition, subtraction, and/or multiplication of decimals.</p> <p>Solve a problem involving multiplication with decimals to hundredths, including situations with money.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p>
<p>Multiplication with Decimals: Multiplying Two Decimals (E)</p>	<p>5.NBT.D.5</p> <p>5.NBT.D.7</p>	<p>Describe the strategy used to multiply decimals, limited to the tenths and/or hundredths place.</p> <p>Multiply decimals, limited to decimals to the tenths place.</p> <p>Estimate the product or quotient of positive decimal numbers.</p> <p>Multiply multidigit whole numbers and/or decimals to the hundredths place, and justify the solution.</p> <p>Represent multiplication of decimals with a product to the hundredths using objects, a pictorial model, or an area model.</p> <p>Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p> <p>Multiply a decimal to the hundredths place by a decimal to the tenth place.</p> <p>Multiply decimals, limited to decimals to the hundredths place.</p> <p>Solve a real-world problem involving the multiplication of decimals to the hundredths place.</p> <p>Solve a real-world problem involving the multiplication of decimals to the tenths place.</p> <p>Solve a real-world problem involving the multiplication of decimals, using both the tenths and hundredths places.</p> <p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Determine the reasonableness of an answer to a calculation or word problem, limited to positive decimals.</p> <p>Solve a real-world problem involving multiplication with decimals to hundredths that involve money in decimal notation.</p>

		<p>Create or solve a single- or multistep practical problem involving addition, subtraction, and/or multiplication of decimals.</p> <p>Solve a problem involving multiplication with decimals to hundredths, including situations with money.</p>
<p>Division with Decimals: Dividing Whole Numbers and Decimals (A)</p>	<p>5.NBT.D.7</p>	<p>Divide a whole number by a decimal, limited to a decimal to the hundredths place.</p> <p>Solve a real-world problem involving the division of decimals to the tenths place.</p> <p>Solve a real-world problem involving the division of decimals to the hundredths place.</p> <p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Determine the reasonableness of an answer to an arithmetic problem using estimation, limited to division problems in which either the dividend or the divisor is a whole number.</p> <p>Create a single-step practical problem involving division of decimals.</p> <p>Solve a single-step practical problem involving division of decimals.</p> <p>Solve a real-world problem involving addition, subtraction, and/or division with decimals to the hundredth, including situations that involve money in decimal notation.</p> <p>Select or interpret the most useful form of the quotient for the solution.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p> <p>Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.</p>
<p>Division with Decimals: Dividing Whole Numbers and Decimals (B)</p>	<p>5.NBT.D.7</p>	<p>Divide a decimal by a whole number, limited to a decimal to the hundredths place.</p> <p>Solve a real-world problem involving the division of decimals to the tenths place.</p>

		<p>Solve a real-world problem involving the division of decimals to the hundredths place.</p> <p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Determine the reasonableness of an answer to an arithmetic problem using estimation, limited to division problems in which either the dividend or the divisor is a whole number.</p> <p>Create a single-step practical problem involving division of decimals.</p> <p>Solve a single-step practical problem involving division of decimals.</p> <p>Solve a real-world problem involving addition, subtraction, and/or division with decimals to the hundredth, including situations that involve money in decimal notation.</p> <p>Represent a quotient of decimals to the hundredths, up to a four-digit dividend and a two-digit whole number divisor, using objects, pictorial models, or area models.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p> <p>Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.</p>
<p>Division with Decimals: Dividing Whole Numbers and Decimals (C)</p>	<p>5.NBT.D.7</p>	<p>Divide a whole number by a greater whole number, resulting in a decimal quotient.</p> <p>Represent a quotient in a variety of ways, including a whole number with a remainder, a fraction or mixed number, or a decimal.</p> <p>Select or interpret the most useful form of the quotient for the solution.</p> <p>Represent a quotient of decimals to the hundredths, up to a four-digit dividend and a two-digit whole number divisor, using objects, pictorial models, or area models.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p>

		<p>Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.</p>
<p>Division with Decimals: Dividing Whole Numbers and Decimals (D)</p>	<p>5.NBT.D.7</p>	<p>Solve a real-world problem involving the division of decimals to the hundredths place.</p> <p>Solve a real-world problem involving the division of decimals to the tenths place.</p> <p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Divide a whole number by a decimal, limited to a decimal to the hundredths place.</p> <p>Divide a decimal by a whole number, limited to a decimal to the hundredths place.</p> <p>Divide a whole number by a greater whole number, resulting in a decimal quotient.</p> <p>Represent a quotient in a variety of ways, including a whole number with a remainder, a fraction or mixed number, or a decimal.</p> <p>Create a single-step practical problem involving division of decimals.</p> <p>Solve a single-step practical problem involving division of decimals.</p> <p>Solve a real-world problem involving addition, subtraction, and/or division with decimals to the hundredth, including situations that involve money in decimal notation.</p> <p>Select or interpret the most useful form of the quotient for the solution.</p> <p>Represent a quotient of decimals to the hundredths, up to a four-digit dividend and a two-digit whole number divisor, using objects, pictorial models, or area models.</p> <p>Determine the reasonableness of an answer to an arithmetic problem using estimation, limited to division problems in which either the dividend or the divisor is a whole number.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p>

		Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.
Division with Decimals: Dividing Decimals by Powers of Ten (A)	5.NBT.C.2	Describe the pattern in the placement of the decimal point when a decimal is multiplied or divided by a power of 10.
Division with Decimals: Dividing Decimals by Powers of Ten (B)	5.NBT.C.2	Divide a decimal number by a power of 10 using the number of zeros in the power of , limited to whole-number exponents.
Division with Decimals: Dividing Decimals by Powers of Ten (C)	5.NBT.C.2	Describe the pattern in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Divide a decimal number by a power of 10 using the number of zeros in the power of 10, limited to whole-number exponents.
Division with Decimals: Decimal Division (A)	5.NBT.D.6 5.NBT.D.7	Describe the strategy used to divide decimals, limited to the tenths and/or hundredths place. Divide decimals, limited to decimals to the tenths place. Solve a real-world problem involving the division of decimals to the tenths place. Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths. Estimate to determine the reasonableness of a solution to a mathematical or real-world problem involving division. Create a single-step practical problem involving division of decimals. Solve a single-step practical problem involving division of decimals. Estimate the product or quotient of positive decimal numbers. Determine the reasonableness of an answer to a calculation or word problem, limited to positive decimals.

		<p>Solve a real-world problem involving addition, subtraction, and/or division with decimals to the hundredth, including situations that involve money in decimal notation.</p> <p>Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p> <p>Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.</p>
<p>Division with Decimals: Decimal Division (B)</p>	<p>5.NBT.D.6</p> <p>5.NBT.D.7</p>	<p>Describe the strategy used to divide decimals, limited to the tenths and/or hundredths place.</p> <p>Divide a decimal to the hundredths place by a decimal to the tenths place, or a decimal to the tenths place by a decimal to the hundredths place.</p> <p>Solve a real-world problem involving the division of decimals, using both the tenths and hundredths places.</p> <p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Estimate to determine the reasonableness of a solution to a mathematical or real-world problem involving division.</p> <p>Create a single-step practical problem involving division of decimals.</p> <p>Solve a single-step practical problem involving division of decimals.</p> <p>Estimate the product or quotient of positive decimal numbers.</p> <p>Determine the reasonableness of an answer to a calculation or word problem, limited to positive decimals.</p> <p>Solve a real-world problem involving addition, subtraction, and/or division with decimals to the hundredth, including situations that involve money in decimal notation.</p> <p>Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p>

		Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.
Division with Decimals: Decimal Division (C)	<p>5.NBT.D.6</p> <p>5.NBT.D.7</p>	<p>Describe the strategy used to divide decimals, limited to the tenths and/or hundredths place.</p> <p>Divide decimals, limited to decimals to the hundredths place.</p> <p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Solve a real-world problem involving the division of decimals to the hundredths place.</p> <p>Estimate to determine the reasonableness of a solution to a mathematical or real-world problem involving division.</p> <p>Create a single-step practical problem involving division of decimals.</p> <p>Solve a single-step practical problem involving division of decimals.</p> <p>Estimate the product or quotient of positive decimal numbers.</p> <p>Determine the reasonableness of an answer to a calculation or word problem, limited to positive decimals.</p> <p>Solve a real-world problem involving addition, subtraction, and/or division with decimals to the hundredth, including situations that involve money in decimal notation.</p> <p>Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p> <p>Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.</p>
Division with Decimals: Decimal Division (D)	<p>5.NBT.D.6</p> <p>5.NBT.D.7</p>	<p>Describe the strategy used to divide decimals, limited to the tenths and/or hundredths place.</p> <p>Divide a decimal to the hundredths place by a decimal to the tenths place, or a decimal to the tenths place by a decimal to the hundredths place.</p>

		<p>Solve a real-world problem involving the division of decimals, using both the tenths and hundredths places.</p> <p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Estimate to determine the reasonableness of a solution to a mathematical or real-world problem involving division.</p> <p>Create a single-step practical problem involving division of decimals.</p> <p>Solve a single-step practical problem involving division of decimals.</p> <p>Estimate the product or quotient of positive decimal numbers.</p> <p>Determine the reasonableness of an answer to a calculation or word problem, limited to positive decimals.</p> <p>Solve a real-world problem involving addition, subtraction, and/or division with decimals to the hundredth, including situations that involve money in decimal notation.</p> <p>Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p> <p>Write a simple expression that records calculations with whole numbers, fractions, and/or decimals.</p>
<p>Division with Decimals: Decimal Division (E)</p>	<p>5.NBT.D.6</p> <p>5.NBT.D.7</p>	<p>Solve a real-world problem involving the division of decimals to the hundredths place.</p> <p>Divide decimals, limited to decimals to the hundredths place.</p> <p>Divide decimals, limited to decimals to the tenths place.</p> <p>Divide a decimal to the hundredths place by a decimal to the tenths place, or a decimal to the tenths place by a decimal to the hundredths place.</p> <p>Solve a real-world problem involving the division of decimals to the tenths place.</p> <p>Solve a real-world problem involving the division of decimals, using both the tenths and hundredths places.</p>

		<p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Solve a single-step practical problem involving division of decimals.</p> <p>Solve a real-world problem involving addition, subtraction, and/or division with decimals to the hundredth, including situations that involve money in decimal notation.</p> <p>Solve a problem by performing operations involving fractions and/or decimals.</p> <p>Solve or justify a multi-step problem involving variables, whole numbers, fractions, and/or decimals.</p>
<p>Division with Decimals: Big Ideas</p>	<p>5.NBT.D.6</p> <p>5.NBT.D.7</p>	<p>Divide a whole number by a decimal, limited to a decimal to the hundredths place.</p> <p>Solve a real-world problem involving the division of decimals to the tenths place.</p> <p>Solve a real-world problem involving the division of decimals to the hundredths place.</p> <p>Solve a multistep real-world problem involving decimals, limited to tenths and/or hundredths.</p> <p>Divide a decimal by a whole number, limited to a decimal to the hundredths place.</p> <p>Divide a whole number by a greater whole number, resulting in a decimal quotient.</p> <p>Describe the pattern in the placement of the decimal point when a decimal is multiplied or divided by a power of .</p> <p>Divide a decimal number by a power of using the number of zeros in the power of , limited to whole-number exponents.</p> <p>Describe the strategy used to divide decimals, limited to the tenths and/or hundredths place.</p> <p>Divide decimals, limited to decimals to the tenths place.</p> <p>Divide a decimal to the hundredths place by a decimal to the tenths place, or a decimal to the tenths place by a decimal to the hundredths place.</p>

		<p>Divide decimals, limited to decimals to the hundredths place.</p> <p>Solve a real-world problem involving the division of decimals, using both the tenths and hundredths places. Big Ideas lessons require students to synthesize across key objectives within the unit, provide cumulative, spiraling review throughout the year, and offer opportunities to preview upcoming content as a challenge opportunity</p>
Points on a Coordinate Plane : Coordinate System (A)	<p>5.G.J.1</p> <p>5.G.J.1a</p> <p>5.G.J.1c</p> <p>5.G.J.1d</p>	<p>Define or describe the terms origin, x-axis, y-axis, x-coordinate, y-coordinate, and ordered pairs.</p> <p>Describe the coordinate system.</p> <p>Represent the axes as scaled perpendicular number lines intersecting at the origin.</p>
Points on a Coordinate Plane : Coordinate System (B)	<p>5.G.J.1</p> <p>5.G.J.1b</p>	<p>Describe how to interpret an ordered pair.</p> <p>Name points using ordered pairs, using (x, y) format, limited to the first quadrant.</p> <p>Identify any point on the Cartesian coordinate plane by its ordered pair coordinates.</p>
Points on a Coordinate Plane : Coordinate System (c)	<p>5.G.J.1</p> <p>5.G.J.1b</p>	<p>Graph a point in the coordinate plane, limited to the first quadrant.</p> <p>Describe the process for graphing ordered pairs of numbers in the first quadrant of the coordinate plane.</p> <p>Graph a point on the non-negative x-axis or non-negative y-axis.</p>
Points on a Coordinate Plane : Coordinate System (D)	<p>5.G.J.1</p> <p>5.G.J.1a</p> <p>5.G.J.1b</p> <p>5.G.J.1c</p> <p>5.G.J.1d</p>	<p>Define or describe the terms origin, x-axis, y-axis, x-coordinate, y-coordinate, and ordered pairs.</p> <p>Describe the coordinate system.</p> <p>Describe how to interpret an ordered pair.</p> <p>Name points using ordered pairs, using (x, y) format, limited to the first quadrant.</p>

		Graph a point in the coordinate plane, limited to the first quadrant.
Points on a Coordinate Plane : Problem Solving on the Coordinate Plane (A)	5.G.J.1 5.G.J.2	Graph points that represent a real-world situation, limited to the first quadrant. Interpret the coordinate values of a point graphed in the coordinate plane in the context of the situation described, limited to the first quadrant.
Points on a Coordinate Plane : Problem Solving on the Coordinate Plane (B)	5.G.J.1 5.G.J.2	Graph points that represent a real-world situation, limited to the first quadrant. Interpret the coordinate values of a point graphed in the coordinate plane in the context of the situation described, limited to the first quadrant. Represent discrete paired data on a scatter plot.
Points on a Coordinate Plane : Problem Solving on the Coordinate Plane (C)	5.G.J.1 5.G.J.2	Graph points that represent a real-world situation, limited to the first quadrant. Interpret the coordinate values of a point graphed in the coordinate plane in the context of the situation described, limited to the first quadrant. Solve a problem using patterns, including those involving saving accounts. Explain, extend, or use a pattern and relationship in solving a problem, including those involving saving or checking accounts.
Points on a Coordinate Plane : Problem Solving on the Coordinate Plane (D)	5.OA.B.3 5.OA.B.3a 5.OA.B.3b 5.G.J.1 5.G.J.2	Describe the relationship between corresponding terms of two numerical sequences. Write two numerical patterns using two given rules. Generate ordered pairs consisting of corresponding terms from two numerical patterns. Graph the ordered pairs consisting of corresponding terms of two numerical patterns on a coordinate plane.

		<p>Graph an ordered pair of numbers generated by a number pattern or found in an input-output table, limited to the first quadrant.</p> <p>Complete a function table or input/output table to identify apparent relationships between corresponding terms.</p> <p>Graph ordered pairs in the first quadrant of the coordinate plane, using data from a function table or input/output table.</p> <p>Analyze a pattern or relationship using two rules.</p> <p>Create two numerical patterns in a table given two rules.</p> <p>Represent ordered pairs in a table, limited to whole numbers.</p> <p>Verify a relationship using a graph with corresponding terms of two numerical patterns.</p> <p>Describe a pattern of change using a table with rules up to two operations, or make a prediction or generalization about a real-world problem.</p>
<p>Points on a Coordinate Plane : Problem Solving on the Coordinate Plane (E)</p>	<p>5.OA.B.3</p> <p>5.OA.B.3a</p> <p>5.OA.B.3b</p> <p>5.G.J.1</p> <p>5.G.J.2</p>	<p>Graph points that represent a real-world situation, limited to the first quadrant.</p> <p>Interpret the coordinate values of a point graphed in the coordinate plane in the context of the situation described, limited to the first quadrant.</p> <p>Solve a problem using patterns, including those involving saving accounts.</p> <p>Explain, extend, or use a pattern and relationship in solving a problem, including those involving saving or checking accounts.</p> <p>Describe the relationship between corresponding terms of two numerical sequences.</p> <p>Write two numerical patterns using two given rules.</p> <p>Generate ordered pairs consisting of corresponding terms from two numerical patterns.</p> <p>Graph the ordered pairs consisting of corresponding terms of two numerical patterns on a coordinate plane.</p> <p>Graph ordered pairs in the first quadrant of the coordinate plane, using data from a function table or input/output table.</p>

		<p>Analyze a pattern or relationship using two rules.</p> <p>Create two numerical patterns in a table given two rules.</p> <p>Describe a pattern of change using a table with rules up to two operations, or make a prediction or generalization about a real-world problem.</p>
Points on a Coordinate Plane : Big Ideas		<i>Big Ideas lessons require students to synthesize across key objectives within the unit, provide cumulative, spiraling review throughout the year, and offer opportunities to preview upcoming content as a challenge opportunity</i>
Measurement and Unit Conversion: Using Units of Length (A)	5.MD.G.1	<p>Convert like measurement units within the metric measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the metric measurement system.</p> <p>Identify or estimate equivalent measures within the U.S. customary system or metric measurement system involving length, weight, volume, or temperature.</p> <p>Solve a multistep real-world problem using conversions involving distances, time, liquid volume, masses of objects, or money.</p> <p>Solve a practical problem involving length, mass, or liquid volume, using metric units.</p> <p>Identify or use the relationship between millimeters, centimeters, and/or meters to measure or compare objects.</p>
Measurement and Unit Conversion: Using Units of Length (B)	5.MD.G.1	<p>Convert like measurement units within the U.S. customary measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the U.S. customary measurement system.</p> <p>Identify or estimate equivalent measures within the U.S. customary system or metric measurement system involving length, weight, volume, or temperature.</p>

		<p>Solve a multistep real-world problem using conversions involving distances, time, liquid volume, masses of objects, or money.</p> <p>Identify relative size of a U.S customary measurement unit, including pounds, ounces, miles, yards, feet, inches, gallons, quarts, pints, cups, fluid ounces, hours, minutes, and/or seconds.</p> <p>Identify or use the relationship between inches, feet, and/or yards to measure or compare objects.</p>
<p>Measurement and Unit Conversion: Using Units of Length (C)</p>	<p>5.MD.G.1</p>	<p>Convert like measurement units within the metric measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the metric measurement system.</p> <p>Convert like measurement units within the U.S. customary measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the U.S. customary measurement system.</p> <p>Identify or estimate equivalent measures within the U.S. customary system or metric measurement system involving length, weight, volume, or temperature.</p> <p>Solve a multistep real-world problem using conversions involving distances, time, liquid volume, masses of objects, or money.</p> <p>Identify relative size of a U.S customary measurement unit, including pounds, ounces, miles, yards, feet, inches, gallons, quarts, pints, cups, fluid ounces, hours, minutes, and/or seconds.</p> <p>Identify or use the relationship between inches, feet, and/or yards to measure or compare objects.</p> <p>Identify or use the relationship between millimeters, centimeters, and/or meters to measure or compare objects.</p>
<p>Measurement and Unit Conversion:</p>	<p>5.MD.G.1</p>	<p>Convert like measurement units within the metric measurement system.</p>

<p>Using Units of Liquid Volume (A)</p>		<p>Solve a multistep real-world problem, using conversion of measurement units within the metric measurement system.</p> <p>Identify or estimate equivalent measures within the U.S. customary system or metric measurement system involving length, weight, volume, or temperature.</p> <p>Solve a multistep real-world problem using conversions involving distances, time, liquid volume, masses of objects, or money.</p> <p>Solve a practical problem involving length, mass, or liquid volume, using metric units.</p>
<p>Measurement and Unit Conversion: Using Units of Liquid Volume (B)</p>	<p>5.MD.G.1</p>	<p>Convert like measurement units within the U.S. customary measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the U.S. customary measurement system.</p> <p>Identify or estimate equivalent measures within the U.S. customary system or metric measurement system involving length, weight, volume, or temperature.</p> <p>Solve a multistep real-world problem using conversions involving distances, time, liquid volume, masses of objects, or money.</p> <p>Identify relative size of a U.S customary measurement unit, including pounds, ounces, miles, yards, feet, inches, gallons, quarts, pints, cups, fluid ounces, hours, minutes, and/or seconds.</p> <p>Solve a problem by interpreting data in picture graphs or bar graphs involving the U.S. customary system, including the fractions $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, or decimals.</p>
<p>Measurement and Unit Conversion: Using Units of Liquid Volume (C)</p>	<p>5.MD.G.1</p>	<p>Convert like measurement units within the metric measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the metric measurement system.</p> <p>Convert like measurement units within the U.S. customary measurement system.</p>

		<p>Solve a multistep real-world problem, using conversion of measurement units within the U.S. customary measurement system.</p> <p>Identify or estimate equivalent measures within the U.S. customary system or metric measurement system involving length, weight, volume, or temperature.</p> <p>Solve a multistep real-world problem using conversions involving distances, time, liquid volume, masses of objects, or money.</p> <p>Identify relative size of a U.S customary measurement unit, including pounds, ounces, miles, yards, feet, inches, gallons, quarts, pints, cups, fluid ounces, hours, minutes, and/or seconds.</p> <p>Solve a practical problem involving length, mass, or liquid volume, using metric units.</p>
<p>Measurement and Unit Conversion: Using Units of Mass and Weight (A)</p>	<p>5.MD.G.1</p>	<p>Convert like measurement units within the metric measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the metric measurement system.</p> <p>Identify or estimate equivalent measures within the U.S. customary system or metric measurement system involving length, weight, volume, or temperature.</p> <p>Solve a multistep real-world problem using conversions involving distances, time, liquid volume, masses of objects, or money.</p> <p>Solve a practical problem involving length, mass, or liquid volume, using metric units.</p>
<p>Measurement and Unit Conversion: Using Units of Mass and Weight (B)</p>	<p>5.MD.G.1</p>	<p>Convert like measurement units within the U.S. customary measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the U.S. customary measurement system.</p>

		<p>Identify or estimate equivalent measures within the U.S. customary system or metric measurement system involving length, weight, volume, or temperature.</p> <p>Solve a multistep real-world problem using conversions involving distances, time, liquid volume, masses of objects, or money.</p> <p>Identify relative size of a U.S customary measurement unit, including pounds, ounces, miles, yards, feet, inches, gallons, quarts, pints, cups, fluid ounces, hours, minutes, and/or seconds.</p>
<p>Measurement and Unit Conversion: Using Units of Mass of Weight (C)</p>	<p>5.MD.G.1</p>	<p>Convert like measurement units within the metric measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the metric measurement system.</p> <p>Convert like measurement units within the U.S. customary measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the U.S. customary measurement system.</p> <p>Identify or estimate equivalent measures within the U.S. customary system or metric measurement system involving length, weight, volume, or temperature.</p> <p>Solve a multistep real-world problem using conversions involving distances, time, liquid volume, masses of objects, or money.</p> <p>Identify relative size of a U.S customary measurement unit, including pounds, ounces, miles, yards, feet, inches, gallons, quarts, pints, cups, fluid ounces, hours, minutes, and/or seconds.</p> <p>Solve a practical problem involving length, mass, or liquid volume, using metric units.</p>
<p>Measurement and Unit Conversion: Customary Units and Line Plots (A)</p>	<p>5.MD.H.2</p>	<p>Represent a data set of measurements in fractions of a unit on a line plot, limited to denominators of 2, 4, and 8.</p>

<p>Measurement and Unit Conversion: Customary Units and Line Plots (B)</p>	<p>5.NF.F.7b</p>	<p>Solve a problem involving addition of fractions using information recorded in line plots, limited to denominators of 2, 4, and 8.</p> <p>Solve a problem involving subtraction of fractions using information recorded in line plots, limited to denominators of 2, 4, and 8.</p> <p>Solve a problem involving multiplication of fractions using information recorded in line plots, limited to denominators of 2, 4, and 8.</p> <p>Solve a problem involving division of a unit fraction by a nonzero whole number, or division of a whole number by a unit fraction, using information recorded in line plots and a visual representation, limited to denominators of 2, 4, and 8.</p> <p>Explain the classification of data from a real-world problem shown in a graphical representation, involving the use of mean or median with a given set of data.</p>
<p>Measurement and Unit Conversion: Customary Units and Line Plots (C)</p>	<p>5.NF.F.7b 5.MD.H.2</p>	<p>Represent a data set of measurements in fractions of a unit on a line plot, limited to denominators of 2, 4, and 8.</p> <p>Solve a problem involving addition of fractions using information recorded in line plots, limited to denominators 2, 4, and 8.</p> <p>Solve a problem involving subtraction of fractions using information recorded in line plots, limited to denominators of 2, 4, and 8.</p> <p>Solve a problem involving multiplication of fractions using information recorded in line plots, limited to denominators of 2, 4, and 8.</p> <p>Solve a problem involving division of a unit fraction by a nonzero whole number, or division of a whole number by a unit fraction, using information recorded in line plots and a visual representation, limited to denominators of 2, 4, and 8.</p> <p>Explain the classification of data from a real-world problem shown in a graphical representation, involving the use of mean or median with a given set of data.</p>

<p>Measurement and Unit Conversion: Big Ideas</p>	<p>5.NF.F.7b 5.MD.G.1 5.MD.H.2</p>	<p>Convert like measurement units within the metric measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the metric measurement system.</p> <p>Convert like measurement units within the U.S. customary measurement system.</p> <p>Solve a multistep real-world problem, using conversion of measurement units within the U.S. customary measurement system.</p> <p>Represent a data set of measurements in fractions of a unit on a line plot, limited to denominators of 2, 4, and 8.</p> <p>Solve a problem involving addition of fractions using information recorded in line plots, limited to denominators of 2, 4, and 8.</p> <p>Solve a problem involving subtraction of fractions using information recorded in line plots, limited to denominators of 2, 4, and 8.</p> <p>Solve a problem involving multiplication of fractions using information recorded in line plots, limited to denominators of 2, 4, and 8.</p> <p>Solve a problem involving division of a unit fraction by a nonzero whole number, or division of a whole number by a unit fraction, using information recorded in line plots and a visual representation, limited to denominators of 2, 4, and 8.</p> <p>Big Ideas lessons require students to synthesize across key objectives within the unit, provide cumulative, spiraling review throughout the year, and offer opportunities to preview upcoming content as a challenge opportunity</p>
<p>Classification of Two-Dimensional Figures: Triangles (A)</p>	<p>5.G.K.3 5.G.K.4</p>	<p>Classify a triangle based on its angle measures (acute, right, or obtuse) or its side measures (equilateral, scalene, or isosceles).</p> <p>Classify polygons, limited to triangles (equilateral, isosceles, scalene, right, acute, obtuse), quadrilaterals (rectangles, squares, parallelograms, trapezoids, rhombuses), pentagons, and/or hexagons.</p>

		Describe the attributes of a category of two-dimensional figures that also belong to all subcategories of that category, limited to triangles, quadrilaterals, rectangles, squares, parallelograms, trapezoids, rhombuses, pentagons, and/or hexagons.
Classification of Two-Dimensional Figures: Triangles (B)	5.G.K.3 5.G.K.4	<p>Classify a triangle based on its angle measures (acute, right, or obtuse) or its side measures (equilateral, scalene, or isosceles).</p> <p>Classify a triangle based on its angle measures (acute, right, or obtuse) and its side measures (equilateral, scalene, or isosceles).</p> <p>Describe, classify, or construct a triangle, including equilateral, right, scalene, and isosceles triangles.</p> <p>Describe the attributes of a category of two-dimensional figures that also belong to all subcategories of that category, limited to triangles, quadrilaterals, rectangles, squares, parallelograms, trapezoids, rhombuses, pentagons, and/or hexagons.</p>
Classification of Two-Dimensional Figures: Triangles (C)	5.G.K.3 5.G.K.4	<p>Classify a triangle based on its angle measures (acute, right, or obtuse) or its side measures (equilateral, scalene, or isosceles).</p> <p>Classify a triangle based on its angle measures (acute, right, or obtuse) and its side measures (equilateral, scalene, or isosceles).</p> <p>Classify polygons, limited to triangles (equilateral, isosceles, scalene, right, acute, obtuse), quadrilaterals (rectangles, squares, parallelograms, trapezoids, rhombuses), pentagons, and/or hexagons.</p> <p>Describe, classify, or construct a triangle, including equilateral, right, scalene, and isosceles triangles.</p> <p>Describe the attributes of a category of two-dimensional figures that also belong to all subcategories of that category, limited to triangles, quadrilaterals, rectangles, squares, parallelograms, trapezoids, rhombuses, pentagons, and/or hexagons.</p>
Classification of Two-Dimensional Figures: Polygons (A)	5.G.K.3 5.G.K.4	<p>Classify polygons, limited to triangles (equilateral, isosceles, scalene, right, acute, obtuse), quadrilaterals (rectangles,</p>

		<p>squares, parallelograms, trapezoids, rhombuses), pentagons, and/or hexagons.</p> <p>Identify a polygon, limited to a triangle (equilateral, isosceles, scalene, right, acute, obtuse), quadrilateral (parallelogram, trapezoid, rhombus), pentagon, or hexagon.</p> <p>Describe the attributes of a category of two-dimensional figures that also belong to all subcategories of that category, limited to triangles, quadrilaterals, rectangles, squares, parallelograms, trapezoids, rhombuses, pentagons, and/or hexagons.</p>
<p>Classification of Two-Dimensional Figures: Polygons (B)</p>	<p>5.G.K.3</p> <p>5.G.K.4</p>	<p>Classify a quadrilateral according to its properties, limited to rectangles, squares, parallelograms, trapezoids, and/or rhombuses.</p> <p>Describe the attributes of a category of two-dimensional figures that also belong to all subcategories of that category, limited to triangles, quadrilaterals, rectangles, squares, parallelograms, trapezoids, rhombuses, pentagons, and/or hexagons.</p> <p>Organize two-dimensional figures into a Venn diagram based on the attributes of the figures.</p>
<p>Classification of Two-Dimensional Figures: Polygons (C)</p>	<p>5.G.K.3</p> <p>5.G.K.4</p>	<p>Classify a quadrilateral according to its properties, limited to rectangles, squares, parallelograms, trapezoids, and/or rhombuses.</p> <p>Describe the attributes of a category of two-dimensional figures that also belong to all subcategories of that category, limited to triangles, quadrilaterals, rectangles, squares, parallelograms, trapezoids, rhombuses, pentagons, and/or hexagons.</p> <p>Classify polygons, limited to triangles (equilateral, isosceles, scalene, right, acute, obtuse), quadrilaterals (rectangles, squares, parallelograms, trapezoids, rhombuses), pentagons, and/or hexagons.</p> <p>Identify a polygon, limited to a triangle (equilateral, isosceles, scalene, right, acute, obtuse), quadrilateral (parallelogram, trapezoid, rhombus), pentagon, or hexagon.</p> <p>Organize two-dimensional figures into a Venn diagram based on the attributes of the figures.</p>

Division with Unit
Fractions: Big Ideas

Classify a triangle based on its angle measures (acute, right, or obtuse) or its side measures (equilateral, scalene, or isosceles).

5.G.K.3

Classify polygons, limited to triangles (equilateral, isosceles, scalene, right, acute, obtuse), quadrilaterals (rectangles, squares, parallelograms, trapezoids, rhombuses), pentagons, and/or hexagons.

5.G.K.4

Describe the attributes of a category of two-dimensional figures that also belong to all subcategories of that category, limited to triangles, quadrilaterals, rectangles, squares, parallelograms, trapezoids, rhombuses, pentagons, and/or hexagons.

Classify a quadrilateral according to its properties, limited to rectangles, squares, parallelograms, trapezoids, and/or rhombuses.