Unit 1 - The Number System	CC.2.1.6.E.2 CC.2.1.6.E.3
Subject	**Common Core Standard**
Compute with multi-digit numbers using the four aritmetic operations with or without a calculator.	M06.A-N.2.1.1
Compute with multi-digit numbers using the four aritmetic operations with or without a calculator.	M06.A-N.2.1.1
Compute with multi-digit numbers using the four aritmetic operations with or without a calculator.	M06.A-N.2.1.1
Compute with multi-digit numbers using the four aritmetic operations with or without a calculator. Quiz Lessons 4-7 Exam Lessons 1-7	M06.A-N.2.1.1
Apply Number Theory Concepts (specifically factors and multiples).	M06.A-N.2.2.1
Apply Number Theory Concepts (specifically factors and multiples). Quiz Lessons 8 and 9	M06.A-N.2.2.1
Apply Number Theory Concepts (specifically factors and multiples). Exam Lessons 1-10	M06.A-N.2.2.2
Apply Number Theory Concepts (specifically factors and multiples).	M06.A-N.2.2.2

Eligible Content

Solve Problems involving operations (+,-,x,÷) with whole numbers, decimals (through thousandths), straight computation, or word problems.

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Solve Problems involving operations (+,-,x,÷) with whole numbers, decimals (through thousandths), straight computation, or word problems.

Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12.

Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12.

Apply the distributive property to express a sum of two whole numbers, 1 through 100, with a common factor as a multiple of a sum of two whole numbers with no common factor.

Apply the distributive property to express a sum of two whole numbers. 1 through 100, with a common factor as a multiple of a sum of two whole numbers with no common factor.

Goals

Students should be able to add, subtract, multiply, and divide whole numbers.

Students should be able to apply addition, subtraction, multiplication, and division of whole numbers in word problems.

Students should be able to add, subtract, multiply, and divide decimal numbers (through thousandths).

Students should be able to apply operations with decimals in word problems.

Students should be able to find the GCF of two whole numbers less than or equal to 100.

Students should be able to find the least common multiple of two whole numbers less than or equal to 12.

Students should be able to use the distributive property by multiplying a number outside of the parentheses into two numbers (that are added) inside of parentheses.

Students will be able to express the sum of two whole numbers using the distributive property with a common factor as a multiple.

Unit 2 - The Number System	CC.2.1.6.E.1
Subject	**Common Core Standard**
Solve real-world and mathematical problems involving division of fratctions.	M06.A-N.1.1.1
Solve real-world and mathematical problems involving division of fratctions.	M06.A-N.1.1.1
Solve real-world and mathematical problems involving division of fratctions.	M06.A-N.1.1.1

Eligible Content	Goals
Interpret and compute quotients of fractions (including mixed numbers), and solve word problems involving division of fractions by fractions.	Students should be able to divide a fraction (including mixed numbers) by another fraction.
Interpret and compute quotients of fractions (including mixed numbers), and solve word problems involving division of fractions by fractions.	Students should be able to divide fractions in a story context (including using area and perimeter problems).
Interpret and compute quotients of fractions (including mixed numbers), and solve word problems involving division of fractions by fractions.	Students should be able to solve word problems including division of fractions by fractions.

Unit 3 - Statistics and Probability **CC.2.4.6.B.1**

Subject	Common Core Standard
Display, analyze, and summarize numerical data sets in relation to their context.	M06.D-S.1.1.1
Display, analyze, and summarize numerical data sets in relation to their context.	M06.D-S.1.1.1
Display, analyze, and summarize numerical data sets in relation to their context.	M06.D-S.1.1.2
Display, analyze, and summarize numerical data sets in relation to their context.	M06.D-S.1.1.2
Display, analyze, and summarize numerical data sets in relation to their context.	M06.D-S.1.1.3
Display, analyze, and summarize numerical data sets in relation to their context.	M06.D-S.1.1.4

Eligible Content	Goals
Display numerical data in plots on a number line, including line plots and histograms.	Students should be able to display numerical data using line plots, tally charts, and histograms.
Display numerical data in plots on a number line, including line plots and histograms.	Students should be able to display numerical data using box and whisker plots.
Determine quantitative measures of center (mean, median, mode)	Students should be able to calculate mean, median, and mode given a set of data.
Determine quantitative measures of variability (Range, Interquartile Range, Mean Absolute Deviation)	Students should be able to calculate range, interquartile range, mean absolute deviation
Describe any overall pattern and any deviations from the overall pattern with reference to the context in which the data were gathered.	Students should be able to recognize and describe patterns in data and deviation from those patterns.
Relate the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered.	Students should be able to determine when and why we use mean, median, mode and range.

Unit 4 - Ratios and Proportional Relationships	**CC.2.1.6.D.1**
Subject	**Common Core**
Represent and/or solve real-world and mathematical problems using rates, ratios, and/or percents.	M06.A-R.1.1.1
Represent and/or solve real-world and mathematical problems using rates, ratios, and/or percents.	M06.A-R.1.1.2
Represent and/or solve real-world and mathematical problems using rates, ratios, and/or percents.	M06.A-R.1.1.4
Represent and/or solve real-world and mathematical problems using rates, ratios, and/or percents.	M06.A-R.1.1.5

Eligible Content	Goals
Use ratio language and notation to describe a ratio relationship between two quantities.	Students will be able to describe the relationship between two quantities in ratio form and be able to write ratios in all formats.
Find the unit rate a/b associated with a ratio a:b (with b not equal to 0) and use rate language in the context of a ratio relationship.	Students will be able determine unit rate using a given ratio.
Solve unit rate problems including those involving unit pricing and constant speed.	Students will be able to calculate unit pricing and rate given a constant ratio.
Find a percent of a quatity as a rate per 100. Solve problems involving finding a whole given a part and the percentage.	Students will be able to find percent of a number given a part and the percentage.

Unit 5 - The Number System	CC.2.1.6.E.4
Subject	**Common Core**
Understand that positive and negative numbers are used together to describe quantities having opposite directions or values and locations on the number line and coordinate plane.	M06.A-N.3.1.1
Understand that positive and negative numbers are used together to describe quantities having opposite directions or values and locations on the number line and coordinate plane.	M06.A-N.3.1.2
Understand ordering and absolute value of rational numbers.	M06.A-N.3.2.1
Understand ordering and absolute value of rational numbers.	M06.A-N.3.2.2

Eligible Content	Goals
Represent quatities in real-world contexts using positive and negative numbers, explaining the meaning of 0 in each situation.	Students will be able to communicate real-life situations in positive and negative number terms.
Determing the opposite of a number and recognize that the opposite of the opposite of a number is the number itself.	Students will be able to express numbers as opposites and understand the opposite of the opposite is the number itself.
Write, interpret, and explain statements of order for rational numbers in real-world context.	Students will be able to explain the relationship of rational numbers in real-world context.
Interpret the absolute value of a rational number as its distance from zero on the number line and as a magnitude for a positive or negative quantitiy in a real world situation.	Students will be able to explain absolute value as distance from zero and in real world situations.

Unit 6 - The Number System	**CC.2.1.6.E.4** **CC.2.1.6.D.1**
Subject	**Common Core**
Undetstand that positive and negative numbers are used together to describe quantities having opposite directions or values and locations on the number line and coordinate plane.	M06.A-N.3.1.3
Understnd ordering and absolute value of rational numbers.	M06.A-N.3.2.3
Represent and/or solve real-world and mathematical problems using rates, ratios, and/or percents.	M06.A-R.1.1.3

Eligible Content	Goals
Locate and plot integers and other rational numbers on a horizontal or vertical number line; locate and plot pairs of integers and other rational numbers on a coordinate plane.	Students should be able to plot ordered pairs on a coordinate plane.
Solve real world and mathematical problems by plotting points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.	Students should be able to use the coordinate plane to solve real world problems.
Construct tables of equivalent ratios relating quantities of whole number measurements, find missing values in the tables, and/or plot the pairs of values on the coordinate plane. Use tables to compare ratios.	Students will be able to display ratios using a coordinate plane.

Unit 7 - Expressions and Equations	CC.2.2.6.B.1
Subject	**Common Core**
Identify, write, and evaluate numerical and algebraic expressions.	M06.B-E.1.1.1
Identify, write, and evaluate numerical and algebraic expressions.	M06.B-E.1.1.2
Identify, write, and evaluate numerical and algebraic expressions.	M06.B-E.1.1.3
Identify, write, and evaluate numerical and algebraic expressions.	M06.B-E.1.1.4
Identify, write, and evaluate numerical and algebraic expressions.	M06.B-E.1.1.5

Eligible Content	Goals
Write and evaluate numerical expressions involving whole-number exponents.	Students will be able to write numbers with exponents and determine their value.
Write algebraic expressions from verbal descriptions. (Ex. 5 less than twice a number: 2y-5)	Students will be able to write verbal descriptions using variables and determine the operations necessary to solve those descriptions.
Identify parts of an expression using mathematical terms (e.g. aum, term, product, factor, quotient, coefficient, quantity).	Students will be able to describe expressions as a product of two factors.
Evaluate expressions at specific values of their variables, including expressions that arise from formulas used in real-world problems.	Students will be able to evaluate expressions when given a specific value.
Apply to properties of operations to generate equivalent expressions.	Students will be able to apply the distributive property to expressions to produce equivalent expressions.

Unit 8 - Expressions and Equations	CC.2.2.6.B.2 CC.2.2.6.B.3
Subject	**Common Core**
Create, solve, and interpret one variable equations or inequalitites in real-world and mathematical problems.	M06.B-E.2.1.1
Create, solve, and interpret one variable equations or inequalitites in real-world and mathematical problems.	M06.B-E.2.1.2
Create, solve, and interpret one variable equations or inequalitites in real-world and mathematical problems.	M06.B-E.2.1.3
Create, solve, and interpret one variable equations or inequalitites in real-world and mathematical problems.	M06.B-E.2.1.4
Use variables to represent two quantities in a real-world problem that change in relationship to one another.	M06.B-E.3.1.1
Use variables to represent two quantities in a real-world problem that change in relationship to one another.	M06.B-E.3.1.2

Eligible Content	Goals
Use Substitution to determine whether a given numer in a specified set makes an equation or inequality true.	Students will be able to substitue numbers into equations in order to check for accuracy.
Write algebraic expressions to represent real-world or mathematical problems.	Students will be able to apply their knowledge of expressions in order to write their own and relate them to to real-world and mathematical problems.
Solve real-world and mathematical problems by writing and solving equations of the form x+p=q and px=q for case in which p,q, and x are all non-negative rational numbers.	Students will be able to solve multi-step equations or inequalities with one variable.
Write an inequality of the form x>c or x<c to represent a constraint or condition in a real-world or mathematical problem and/or represent solutions of such inequalities on number lines.	Model and solve real world and mathematical problems using multiple representations using number lines.
Write an equation to express the relationship between the dependent and independent variables.	Students will be able to write an equation to represent the relationship between distance and time.
Analyze the relationship between the dependent and independent variables using graphs and tables and/or relate these to an equation.	Students will be able to represent and analyze quantitative relationships and use graphs and tables to do so.

Unit 9 - Geometry	CC.2.3.6.A.1
Subject	**Common Core**
Find area, surface area, and volume by applying formulas and using various strategies.	M06.C-G.1.1.1
Find area, surface area, and volume by applying formulas and using various strategies.	M06.C-G.1.1.2
Find area, surface area, and volume by applying formulas and using various strategies.	M06.C-G.1.1.3
Find area, surface area, and volume by applying formulas and using various strategies.	M06.C-G.1.1.4
Find area, surface area, and volume by applying formulas and using various strategies.	M06.C-G.1.1.5
Find area, surface area, and volume by applying formulas and using various strategies.	M06.C-G.1.1.6

Eligible Content	Goals
Determine the area of triangles and special quatrilaterals. (i.e., square, rectangle, parallelogram, rhombus and trapeziod)	Students will be able to find the area of multiple polygons.
Determine the area of irregular or compound polygons.	Students will be able to find the are of combined polygons.
Determine the volume of a right rectangular prism with fractional edge lengths.	Students will be able to find the volumes of prisms with rational side lengths.
Given coordinates for the vertices of a polygon in the plane, use the coordinates to find side lengths and area of the polygon (limited to triangles and special quadrilaterals).	Students will be able to find the side lengths and area of a polygon given coordinates in the coordinate plane.
Represent three-dimensional figures using nets made of rectangles and triangles.	Students should be able to identify the net of a three-dimensional shape.
Determine the surface area of triangular and rectangular prisms (including cubes).	Students will be able to find the surface area of a given shape.