Quarter 1	Quarter 2
Topic 1: Place Value I can write the standard, expanded and word forms of whole numbers in the billions and identify the value of digits in whole number. I can represent decimals in tenths and hundredths as fractions. I can represent fractions with denominators of 10 and 100 as decimals. I can represent decimals in thousandths as fractions and fractions with denominators of 1,000 as decimals. I can write decimals in standard form, word form, and expanded form through thousandths. I can compare and order decimals through thousandths. I can look/see for patterns with decimal- number sets in order to solve problems. **Topic 2: Adding and Subtracting Decimals** I can compute sums and differences mentally using the commutative and associative properties of addition, compatible numbers, and compensation. I can round whole numbers through millions and decimals through thousandths. I can use rounding and compatible numbers to estimate sums and differences of whole numbers and decimals. I can add and subtract decimals in tenths and hundredths using models. I can use pictures and write equations to help solve problems. I can compute sums of decimals involving tenths, hundredths and thousandths. I can compute differences of decimals involving tenths, hundredths and thousandths. I can use multiple steps to solve a variety of problems. **Topic 3: Multiplying Whole Numbers** I can identify and apply the commutative, associative, identity, and zero properties of multiplication. I can mentally compute products of whole numbers using place value patterns and the properties of multiplication. I can use rounding or compatible numbers to estimate products of whole numbers.	**Topic 4: Dividing by 1-Digit Divisors** I can find the quotient of a division problem, whose dividend is a multiple of 10, where division involves a basic fact. I can use rounding and compatible numbers to estimate quotient of whole numbers. I can check problems for reasonableness by using various methods, including estimation and checking their final answer. I can find quotient by using the model of sharing money. I can divide 3 digit whole numbers by 1 digit divisors. I can divide with 0's in the quotient. I can use pictures and equations to help them represent remainders in a problem. **Topic 5: Dividing by 2-Digit Divisors** I can find the quotients of division problems whose dividends and divisors are multiples of 10, where the division involves a basic fact. I can use estimation to find approximate solutions to division problems with 2 digit divisors. I can use arrays and area models to model division. I can find quotients with 2 digit divisor that is a multiple of 10. I can find 1 digit quotients where the divisor is a 2 digit number. I can divide a 3 digit number by 2 digit number to find a 2 digit quotient. I can solve problems involving division of numbers with 4 or 5 digits by 2 digit divisors with an estimate. I can determine which information is missing and identify unneeded information in a problem. **Topic 7: Dividing Decimals** I can mentally divide decimals by 10, 100, or 1000. I can learn to estimate quotients involving decimals. I can use reasoning to understand how the size of the quotient relates to the dividend and divisor. I can learn how to use reasoning to correctly place a decimal in a quotient. I can find quotients where the dividend and/or the quotient is a decimal. I can find quotients of 2 decimals. I can use multiple steps to solve a variety of problems.

	Topic 9: Adding and Subtracting Fractions
I can use exponential notation. I can use the distributive property to simplify expressions and solve equations. I can use the standard algorithm to multiply multi-digits by 1 digit number. I can multiply 2 digit numbers by 2 digit numbers. I can multiply 2 digit numbers by factors with more than 2 digits. I can use diagrams and write equations to solve problems. **Topic 6: Multiplying Decimals** I can mentally multiply decimals, 10, 100, and 1000. I can use rounding and compatible numbers to estimate products of whole number and decimals." I can identify estimate as overestimate or under estimates. I can use number sense and place value to multiply decimals. I can find products of whole numbers and decimals to the ten thousandths. I can use a standard algorithm to multiply a whole number and a decimal. I can use the standard algorithm to multiply decimals by decimals. I can find the hidden questions or questions to solve multi-step problems.	I can write equivalent fractions. I can identify fractions that are in simplest form. I can find the simplest form of a fraction. I can explain how they estimated fractions of objects. I can use a number line to estimate sums and differences of fractions. I can determine common multiples and least common multiples of numbers. I can find common denominator for fractions with unlike denominators. I can use models to add fractions with unlike denominators. I can use models to subtract fractions with unlike denominators. I can solve problems involving adding and subtraction of fractions **Topic 10: Adding and Subtracting Mixed Numbers** I can write improper fractions as mixed numbers. I can write mixed numbers as improper fractions. I can write mixed numbers and improper fractions on a number line. I can estimate sums and differences of fractions and mixed numbers by rounding to the nearest whole number. I can use models to add and subtract mixed numbers. I can use models to add mixed numbers. I can use models to subtract mixed numbers. I can solve more complex problems involving addition and subtraction of mixed numbers. I can draw a picture and write an equation in order to solve a problem.

Quarter 3	Quarter 4
Topic 12: Volume of Solids I can identify 3 dimensional shapes according to faces, edges and vertices. I can identify different views of a solid. I can use objects to act out and break apart problems into simpler ones in order to reach a solution. I can determine the volume of rectangular solids. I can count cubic units and use formulas to find the volume of rectangular prisms. I can find volumes of irregular solids. I can use objects and reasoning to find the volume of solid figures. **Topic 15: Classifying Plane Figures** I can identify and classify polygons. I can identify and classify triangles. I can identify and classify quadrilaterals. I can learn about the properties of special quadrilaterals. I can sort a variety of quadrilaterals to develop the family tree of quadrilaterals. I can make general statements about a shape that is always true **Topic 11: Multiplying and Dividing Fractions and Mixed Numbers** I can use fractions to represent division. I can locate and place fractions on a number line. I can multiply a fraction by a whole number. I can use rounding to estimate with fractions. I can give the product of two fractions. I can learn how to find the area of rectangles. I can multiply mixed numbers. I can compare the size of the product to the size of the factor without multiplying. I can begin to recognize multiplication as scaling. I can solve multiple-step word problems. I can divide whole numbers by fractions. I can discover the inverse relationship between multiplication and division that will help divide by whole numbers. I can use diagrams and write equations to solve problems. **Topic 16: Coordinate Geometry** I can identify and graph points in a coordinate grid. I can find the distance between 2 points by using ordered pairs. I can find the distance between 2 points not on a straight line, by solving a simpler problem first. I can create and interpret coordinate graphs. I can use coordinate graphs to explore the relationship between 2 rules. I can work backwards to solve a problem.	**Topic 8: Numerical Expressions, Patterns, and Relationships** I can write expressions using variables I can use Order of Operations correctly (PEMDAS). I can use the order of operations to simplify and solve basic algebra problems. I can use order of operations to evaluate expressions with whole numbers and decimals. I can study completed tables to determine a rule and write an expression. I can study completed tables to determine a rule and write an expression. I can extend patterns in a table using given rules. I can find the relationship between corresponding terms in the sequences. I can translate words into algebraic expressions. I can solve problems by showing how to act out the problems. I can use information given in the problem to draw conclusions. **Topic 13: Units of Measure** I can convert from one unit to customary length (inches, feet, yards, and miles) to another. I can convert from one unit of customary capacity (gallons, quarts, pints, cups, fluid ounces) to another. I can convert from one customary unit of weight (ounces, pounds, tons) to another. I can convert one metric unit of length (kilometer, meter, centimeter, millimeter) to another. I can convert from one metric unit of capacity (liter and milliliter) to another. I can convert from one metric unit of mass (milligrams, grams, kilograms) to another. I can find the hidden question(s) to solve multi-step problems. **Topic 14: Data** I can draw line plots, interpret points, and recognize outliers. I can collect/record data in frequency tables and line plots. I can understand data on a line plot. I can construct a line plot from data in a frequency table. I can use the information from a line plot to solve problems involving the data.