

	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10	Investigation 1
Objective(s)	Know the difference between natural and whole numbers. Identify the 4 fundamental operations of arithmetic. Write money correctly. Evaluate and expression with variables.	Identify and illustrate the properties of operations.	Find the value of a variable in multiplication, divisions, addition, and subtraction.	Compare and order numbers on a number line. Use a comparison symbol to compare numbers. Add and subtract integers on a number line. Find the rule for a sequence.	Name the place value of digits. Write whole numbers in expanded notation. Read and write numbers through 100 trillion.	Identify factors for a number. Find the GCF for two or more numbers. Use divisibility rules.	Use symbols to identify points, lines, and rays. Identify figures with 1,2,3 dimensions. Identify types of lines.	Use fractions, percents, and mixed numbers to name part of a whole. Measure to the nearest 16th of an inch. Determine the precision of a measurement.	Find the reciprocal of a number. Add, subtract, multiply, and divide fractions.	Write division answers as mixed numbers. Write and improper fraction as a mixed number. Write a mixed number as an improper fraction.	Use fraction circles to model equivalent fractions and percentage.
Standards(s)	7.1.1, 7.1.2.b, 7.1.2.d, 7.2.2.c	7.1.2.c	7.1.2.e, 7.2.2.c	7.1.2.d, 7.1.1	7.1.1	7.1.2.b	7.3.1	7.2.3.c, 7.3.3	7.1.2.b	7.1.2.b	7.1.1
HW	# 1-20	# 1-20	#11-30	# 11-30	# 1-25	# 1-25	#1-25	# 1-30	# 1-30	# 1-30	Fraction Manipulatives

	Lesson 11	Lesson 12	Lesson 13	Lesson 14	Lesson 15	Lesson 16	Lesson 17	Lesson 18	Lesson 19	Lesson 20	Intestigation 2
Objective(s)	Write and Solve one-step word problems about combining and separating.	Write and solve word problems about comparing and elapsed time.	Write and solve word problems about equal groups.	Write and solve word problems about parts of a whole. Find the probability of an event.	Reduce a fractions to lowest terms. Form equivalent fractions.	Convert units of length, weight, and liquid. Determine the rule of a function. Use function tables to solve problems.	use a protractor to measure angles in degrees. Identify angles.	Name polygons. Identify regular and irregular polygons. Identify similar and congruent figures.	Find the perimeter of a polygon. Find the side length of a regular polygon when the perimeter is known.	Use exponents to show repeated multiplication. Find the square root. Find the area of a rectangle.	Use a compass to draw circles. Become familiar with the vocab of parts of a circle.
Standards(s)	7.2.3.c	7.1.2.c	7.1.2.c	7.4.3.a, 7.4.3.b, 7.4.3.d	7.1.1	7.1.2.a	7.3	7.3	7.3.3.a	7.3.3.a	7.3.3.c
HW	# 6-30	# 6-30	# 6-30	# 1-25	# 1-25	# 1-25	# 1-20	# 1-25	# 6-30	# 1-30, odds	Art Activity

	Lesson 21	Lesson 22	Lesson 23	Lesson 24	Lesson 25	Lesson 26	Lesson 27	Lesson 28	Lesson 29	Lesson 30	Investigation 3
Objective(s)	Identify and list prime and composite numbers. Write the prime factorization of a number.	Use a diagram to solve problems about a fraction of a group. Change a percentage to a fraction.	Subtract mixed numbers that require regrouping. Subtract a mixed number from a whole number.	Use prime factorization to simplify fractions. Find the GCF. Simplify fractions before multiplying.	Divide Fractions	Multiply and Divide mixed numbers.	List common multiples of numbers. Form equivalent division problems. Find the LCM	Find the average of a set of numbers. Solve two step word problems.	Round whole numbers. Round mixed numbers. Round numbers to help estimate.	Find common denominators. Compare fractions with different denominators. Add and subtract fractions with different denominators.	Identify parts on a coordinate plane. Graph points on a coordinate plane. Write the coordinates of a point.
Standards(s)	7.1.1	7.2.3	7.1.2.b	7.1.1	7.1.2.b	7.1.2.b	7.1.1	7.2.3.b	7.1.1	7.1.2.b	7.3.2
HW	# 11-30	# 1-25	# 1-30, evens	# 11-30	# 1-25	# 1-20	# 1-25	# 6-30	# 11-30	# 1-15	Coordinate Plane Art

	Lesson 31	Lesson 32	Lesson 33	Lesson 34	Lesson 35	Lesson 36	Lesson 37	Lesson 38	Lesson 39	Lesson 40	Investigation 4
Objective(s)	Write decimal numbers as a fraction. Read and write a decimal number.	Recognize the metric system as a decimal system. Convert between the metric system. Compare F and C.	Compare, round and order decimal numbers.	Find length using CM. Locate a decimal number on a number line. Convert one length to another.	Add, subtract, multiply, and divide decimal numbers.	Write a ratio 4 different ways.	Identify the height and base of a triangle. Find the area of a triangle. Find the area of complex shapes.	Interpret bar graphs, pictographs, line graphs, circle graphs.	Use cross products to see if proportions are equal. Solve proportions for an unknown term.	Verify that the sum of a triangles angles equal 180 degrees. Find an unknown angle measure of a triangle. Identify special angle relationships	Create stem and leaf plots. Create box and whisker plots. Find the mean, median, mode and range.
Standards(s)	7.1.1	7.1.1	7.1.1.d	7.3.3	7.1.2.d	7.1.2.a and 7.4.3.a	7.3.1.b	7.4.1.a	7.1.2.a and 7.2.1.b	7.3.1.a and 7.3.2.b	7.4.1
HW	# 1-28, skip 21, 23, 26	# 1-20	# 1-30, evens	# 1-25	# 1-20	# 6-30	# 1-30, odds	# 1-25	# 1-20	# 6-30	Collect data and make stem and leaf plots and box and whisker plots.

	Lesson 41	Lesson 42	Lesson 43	Lesson 44	Lesson 45	Lesson 46	Lesson 47	Lesson 48	Lesson 49	Lesson 50	Investigation 5
Objective(s)	Use the distributive property to simplify expressions. Evaluate a formula by replacing variables with numbers.	Use a bar when writing repeating decimals. Find repeating patterns on a calculator	Convert between decimals, fractions, and percents.	Write division answers as a fraction and as a decimal.	Divide by a decimal number.	Calculate rates	Use powers of 10 to show place value. Write numbers in expanded notation using powers of 10. Multiply and divide by powers of 10.	Write decimal, fraction, percentage equivalents.	Add and subtract mixed numbers.	Identify unit multipliers. Use unit multipliers to convert measures.	Create graphs
Standards(s)	7.2.2.a	7.1.1	7.1.1	7.1.1	7.1.2.b	7.2.1.b	7.1.2.d, 7.1.1.	7.1.1	7.1.2.b, 7.1.2.d	7.3.3, 7.1.2.a	7.4.1.a, 7.4.2
HW	# 1-20	# 11-30	# 3-29, not 6 or 7	# 1-25, skip 11	# 1-25	# 1-30, evens	# 1-25	# 11-30	# 1-20	# 1-30, evens	Collect data and create graphs on poster board project
	Lesson 51	Lesson 52	Lesson 53	Lesson 54	Lesson 55	Lesson 56	Lesson 57	Lesson 58	Lesson 59	Lesson 60	Investigation 6
Objective(s)	Use scientific notation to write large numbers.	Follow the order of operations.	Use ratio boxes to organize ratio word problems. Use proportions to solve ratio word problems.	Use ratio boxes and proportions to solve rate word problems	Find missing numbers in word problems about average and rate.	Write function rules as equations. Plot functions on a coordinate grid. Determine function rules from plotted points.	Simplify numbers with negative exponents. Write small numbers in scientific notation.	Identify lines of symmetry and rotational symmetry.	Find the absolute value of a number. Add integers.	Translate a fraction/percent problem into an equation.	Classify quadrilaterals.
Standards(s)	7.1.1	7.2.2, 7.2.2.a	7.2.3.e, 7.1.2.a	7.2.3.e, 7.1.2.a	7.4.2	7.3.2, 7.2.3.a	7.1.1	7.3.1	7.1.2.b, 7.2.2.c	7.2.3.e, 7.2.3.a	7.3.1
HW	# 11-30	# 1-28, skip 7 and 8	# 1-20	# 1-30, odds	# 1-25	# 5-29	# 11-30	# 1-20	# 1-25	# 6-30	Quadrilaterals on graph paper

