	Number Sense and Operations
	1: Rewrite numbers in equivalent forms.
	☐ 1.1: Know and apply the Laws of Exponents to evaluate numerical expressions and generate equivalent numerical
	expressions, limited to whole-number exponents and rational number bases.
	☐ 1.2: Rewrite rational numbers in different but equivalent forms including fractions, mixed numbers, repeating
	decimals and percentages to solve mathematical and real-world problems.
	2: Add, subtract, multiply and divide rational numbers.
Quarter 1	2.1: Solve mathematical problems using multi-step order of operations with rational numbers including grouping
	symbols, whole-number exponents and absolute value.
	2.2: Add, subtract, multiply and divide rational numbers with procedural fluency.
	2.3: Solve real-world problems involving any of the four operations with rational numbers.
	Algebraic Reasoning
	1: Rewrite algebraic expressions in equivalent forms.
	 1.1: Apply properties of operations to add and subtract linear expressions with rational coefficients.
	1.2: Determine whether two linear expressions are equivalent.
	Algebraic Reasoning
	2: Write and solve equations and inequalities in one variable.
	2.1: Write and solve one-step inequalities in one variable within a mathematical context and represent solutions
	algebraically or graphically.
	2.2: Write and solve two-step equations in one variable within a mathematical or real-world context, where all
	terms are rational numbers.
Quarter 2	
	3: Use percentages and proportional reasoning to solve problems.
	3.1: Apply previous understanding of percentages and ratios to solve multi-step real-world percent problems.
	□ 3.2: Apply previous understanding of ratios to solve real-world problems involving proportions.

	3.3: Solve mathematical and real-world problems involving the conversion of units across different measurement systems.
	Algebraic Reasoning
Quarter 2	 4: Analyze and represent two-variable proportional relationships. 4.1: Determine whether two quantities have a proportional relationship by examining a table, graph or written description. 4.2: Determine the constant of proportionality within a mathematical or real-world context given a table, graph or written description of a proportional relationship. 4.3: Given a mathematical or real-world context, graph proportional relationships from a table, equation or a written description. 4.4: Given any representation of a proportional relationship, translate the representation to a written description, table or equation. 4.5: Solve real-world problems involving proportional relationships.
Quarter 3	### Geometric Reasoning 1: Solve problems involving two-dimensional figures, including circles. 1.1: Apply formulas to find the areas of trapezoids, parallelograms and rhombi. 1.2: Solve mathematical or real-world problems involving the area of polygons or composite figures by decomposing them into triangles or quadrilaterals. 1.3: Explore the proportional relationship between circumferences and diameters of circles. Apply a formula for the circumference of a circle to solve mathematical and real-world problems. 1.4: Explore and apply a formula to find the area of a circle to solve mathematical and real-world problems. 1.5: Solve mathematical and real-world problems involving dimensions and areas of geometric figures, including scale drawings and scale factors. 2: Solve problems involving three-dimensional figures, including right circular cylinders. 2.1: Given a mathematical or real-world context, find the surface area of a right circular cylinder using the figure's net.
	 2.2: Solve real-world problems involving surface area of right circular cylinders. 2.3: Solve mathematical and real-world problems involving volume of right circular cylinders.

	Data Analysis and Probability
Quarter 4	 1: Represent and interpret numerical and categorical data. 1.1: Determine an appropriate measure of center or measure of variation to summarize numerical data, represented numerically or graphically, taking into consideration the context and any outliers. 1.2: Given two numerical or graphical representations of data, use the measure(s) of center and measure(s) of variability to make comparisons, interpret results and draw conclusions about the two populations. 1.3: Given categorical data from a random sample, use proportional relationships to make predictions about a population. 1.4: Use proportional reasoning to construct, display and interpret data in circle graphs. 1.5: Given a real-world numerical or categorical data set, choose and create an appropriate graphical representation.
	 2: Develop an understanding of probability. Find and compare experimental and theoretical probabilities. 2.1: Determine the sample space for a simple experiment. 2.2: Given the probability of a chance event, interpret the likelihood of it occurring. Compare the probabilities of chance events. 2.3: Find the theoretical probability of an event related to a simple experiment. 2.4: Use a simulation of a simple experiment to find experimental probabilities and compare them to theoretical probabilities.