Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Rational Numbers	**Ratios & Proportional Reasoning**	**Expressions and Equations**	**Percent and Proportional Relationships**	**Geometry**	**Statistics and Probability**
Trimester 1	Trimester 1	Trimester 2	Trimester 2/3	Trimester 3	Trimester 3
I can add and subtract rational numbers. I can represent addition and subtraction on a horizontal or vertical number line diagram.	I can compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units.	I can apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients.	I can understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.	I can draw geometric shapes with given parameters. I can construct triangles from three measures of angles or sides, noticing when the parameters make a unique triangle, more than one triangle, or no triangle.	I can understand that statistics can be used to gain information about a population by examining a sample about the population. I can understand that generalizations about a population from a sample are only valid if the sample is representative. I can understand that a random sample tends to produce representative samples and support valid inferences.
I can use what I know about multiplication and division of integers and fractions to multiply and divide rational numbers.	I can recognize and represent proportional relationships between quantities.	I can understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in the problem are related.	I can understand that a unit rate is a ratio with a second term of one. I can use rate language to describe a ratio relationship.	I can describe the two-dimensional figures that result from plane sections of rectangular prisms and rectangular pyramids.	I can use data from a random sample to draw inferences about a population. I can generate multiple samples of the same size to judge the variation in estimates or predictions.
I can solve real-world and mathematical problems involving the four operations with rational numbers.	I can use proportional relationships to solve multistep ratio and percent problems.	I can solve real-life and mathematical problems with rational numbers in the form of whole numbers, fractions, and decimals. I can convert between forms. I can apply properties of operations to calculate with numbers in any form. I can estimate to judge my answers.	I can use ratio and rate reasoning to solve real-world and mathematical problems by reasoning about ratio tables, tape diagrams, double number lines, or equations.	I can use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.	I can assess the degree of visual overlap of two numerical data distributions with similar variabilities. I can measure the difference between the centers by expressing it as a multiple of a measure of variability.
I can understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in the problem are related.	I can use variables to represent quantities in real-world or mathematical problems. I can write simple equations and inequalities to solve problems by reasoning about the quantities.	I can use variables to represent quantities in real-world or mathematical problems. I can write simple equations and inequalities to solve problems by reasoning about the quantities.	I can solve real-life and mathematical problems with rational numbers in the form of whole numbers, fractions, and decimals. I can convert between forms. I can apply properties of operations to calculate with numbers in any form. I can estimate to judge my answers.	I can solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.	I can use measures of center and measures of variability to compare two sets of data about two populations.
I can use variables to represent quantities in real-world or mathematical problems. I can write simple equations and inequalities to solve problems by reasoning about the quantities.	I can solve problems involving scale drawings, including computing actual lengths and areas from a scale drawing and re-drawing a scale drawing at a different scale.	I know the formulas for the area and the circumference of a circle and I can use them to solve problems. I can understand the relationship between the circumference and area of a circle.	I can solve problems involving scale drawings, including computing actual lengths and areas from a scale drawing and re-drawing a scale drawing at a different scale.		I can understand the probability of a chance event as a number between 0 and 1. I can understand that 0 indicates an unlikely event, ½ indicates an event that is neither unlikely nor likely, and 1 indicates a likely event.
		I can use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.			I can estimate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency, and predict the approximate relative frequency given the probability.
		I can solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.			I can designate a probability model and use it to find probabilities of events. I can compare theoretical probabilities to experimental frequencies. If they are different, I can explain why.
Major Clusters Areas of intensive focus, where students need fluent understanding and application of the core concepts Ratio and Proportional Reasoning (1, 2, 3) The Number System (1, 2, 3) Expressions and Equations (1, 2, 3, 4)	**Supporting Clusters** Rethinking and linking- areas where some material is being covered, but in a way that applies core understandings Statistics and Probability (1, 2, 5, 6, 7, 8)	**Additional Clusters** Students will gain exposure to these topics, but not at the same depth as a major or supporting cluster Geometry (1, 2, 3, 4, 5, 6) Statistics and Probability (3. 4)			I can use tree diagrams, frequency tables, and simulations to determine the probability of compound events.
					SEVENTH GRADE