Dates	Grade 7 outcomes	Grade 8 outcomes
Quarter 1: Sep 1 - Nov 15	N.6. Demonstrate an understanding of addition and subtraction of integers, concretely, pictorially, and symbolically.	N.7. Demonstrate an understanding of multiplication and division of integers, concretely, pictorially, and symbolically.
	N.1. Determine and explain why a number is divisible by 2, 3, 4, 5, 6, 8, 9, or 10.	
	N.4. Demonstrate an understanding of the relationship between positive terminating decimals and positive fractions and between positive repeated decimals and positive fractions.	
	N.7. Compare and order positive fractions, positive decimals (to thousandths) and whole numbers by using benchmarks, place value, equivalent fractions and/or decimals.	
	N.2. Demonstrate an understanding of the addition, subtraction, multiplication and division or decimals to solve problems.	
Quarter 2: Nov 16 - Jan 31	N.3. Solve problems involving percents from 1% to 100%	N.3. Demonstrate an understanding of percent's greater than or equal to 0%, including greater than 100%.
	N.5. Demonstrate an understanding of adding and subtracting positive fractions and mixed numbers, with like and unlike denominators, concretely, pictorially, and symbolically (limited to positive sums and differences).	
	SP.1. Demonstrate an understanding of central tendency and range	
	SP. 2. Determine the effect on the mean, median, and mode when an outlier is included in a data set.	
	SP.4. Express probabilities as ratios, fractions and percents.	
	SP.3. Construct, label, and interpret circle graphs to solve problems.	
	SP.5. Identify the sample space (where the combined sample space has 36 or fewer elements) for a probability experiment involving two independent events.	
	SP.6. Conduct a probability experiment to compare the theoretical probability (determined using a tree diagram, table, or other graphic organizer) and experimental probability of two independent events.	
Quarter 3: Feb 1 - April 12	PR.1. Demonstrate an understanding of oral and written patterns and their equivalent linear relations.	PR.1. Graph and analyze two-variable linear relations.
	PR.5. Evaluate an expression, given the value of the variable(s).	

	PR.2. Create a table of values from linear relation, graph the table of values, and analyze the graph to draw conclusions and solve problems.	
	PR.3. Demonstrate an understanding of preservation of equality	
	PR.4. Explain the difference between an expression and an equation.	
	PR.6. Model and solve, concretely, pictorially, and symbolically, problems that can be represented by one-step linear equations of the form $x+a = b$, where a and b are integers.	
	PR.7. Model and solve, concretely, pictorially, and symbolically, problems that can be represented by linear equations (various forms)	
Quarter 4: April 13 - June 18	SS.1. Demonstrate an understanding of circles	SS.5. Draw and interpret top, front and side views of 3-D objects composed of right rectangular prisms.
	SS.2. Develop and apply a formula for determining the area of triangles, parallelograms, circles.	SS.2. Draw and construct nets for 3-D objects
	SS.3. Perform geometric constructions	SS.3. Determine the surface area of right rectangular prisms, right triangular prisms, right cylinders, to solve problems.
	SS.4. Identify and plot points in the four quadrants of a Cartesian plane, using integral ordered pairs.	SS.6. Demonstrate an understanding of the congruence of polygons.
	SS.5. Perform and describe transformations (translations, rotations, or reflections) of a 2-D shape in all four quadrants of a Cartesian plane (limited to integral number vertices).	SS.4. Develop and apply formulas for determining the volume of right rectangular prisms, right triangular prisms, and right cylinders.