



	Pass	6 th Grade Math	# of days	Assessment - Benchmark questions
1 st nine weeks	3	Geometry	20	12
	3.1	Compare & contrast the basic characteristics of three-dimensional figures (pyramids, prisms, cones and cylinders).	5	4
	3.2	Compare and contrast congruent and similar figures.	5	4
	3.3	Identify the characteristics of the rectangular coordinate system and use them to locate points and describe shapes drawn in all four quadrants.	10	4
	2	Number Sense and Operations	20	20
	2.1	Number Sense: Convert, compare, and order decimals, fractions, and percents using a variety of methods.	5	5
	2.2b	Multiply and divide decimals with one or two-digit multipliers or divisors to solve problems.	5	5
	2.2d	Use the basic operations on integers to solve problems.	10	10
2 nd nine weeks	1	Algebraic Reasoning	25	18
	1.1	Generalize and extend patterns and functions using tables, graphs, and number properties (e.g., number sequences, prime and composite numbers, recursive patterns like the Fibonacci numbers).	5	4
	1.2	Write algebraic expressions and simple equations that correspond to a given situation.	5	4
	1.3	Use substitution to simplify and evaluate algebraic expressions (e.g., if $x = 5$ evaluate $3 - 5x$).	5	5
	1.4	Write and solve one-step equations with one variable using number sense, the properties of operations, and the properties of equality (e.g., $1/3x = 9$).	10	5
	2	Number Sense and Operations	20	15
	2.2a	Multiply and divide fractions and mixed numbers to solve problems using a variety of methods.	10	10
	2.2e	Build and recognize models of multiples to develop the concept of exponents and simplify numerical expressions with exponents and parentheses using order of operations.	10	5
		Review Questions from 1st nine weeks		10
3 rd nine weeks	4	Measurement	10	7
	4.1	Use formulas to find the circumference and area of circles in terms of pi.	5	4
	4.2	Convert, add, or subtract measurements within the same system to solve problems (e.g., $9' 8" + 3' 6"$, $150 \text{ minutes} = __ \text{ hours and } __ \text{ minutes}$, $6 \text{ square inches} = __ \text{ square feet}$).	5	3
	2	Number Sense and Operations	15	10
	2.2c	Estimate and find solutions to single and multi-step problems using whole numbers, decimals, fractions, and percents (e.g., $7/8 + 8/9$ is about 2, $3.9 + 5.3$ is about 9).	15	10
	5	Data Analysis	15	10
	5.1	Data Analysis: Organize, construct displays, and interpret data to solve problems (e.g., data from student experiments, tables, diagrams, charts, graphs).	5	3
	5.2	Probability: Use the fundamental counting principle on sets with up to five items to determine the number of possible combinations.	5	3
	5.3	Central Tendency: Find the measures of central tendency (mean, median, mode, and range) of a set of data (with and without outliers) and understand why a specific measure provides the most useful information in a given context.	5	4
	Review Questions from 1st & 2nd nine weeks		23	

4th nine weeks

	Review for OCCT		
	After OCCT testing -		
1	(7) Algebraic Reasoning: Patterns and Relationships		
1.2	Write and solve two-step equations with one variable using number sense, the properties of operations, and the properties of equality (e.g., $-2x + 4 = -2$).	TBD	
2	(7) Number Sense and Operation		
1.1a	Compare and order positive and negative rational numbers.	TBD	
1.1b	Build and recognize models of perfect squares to find their square roots and estimate the square root of other numbers (e.g., the square root of 12 is between 3 and 4).	TBD	