

	7 th Grade Math			
Benchmark/ Target Month	Pass Standard/Content	Introduce (Chapter)	Develop (Chapter)	Master (Chapter)
	Standard 1 – ALGEBRAIC REASONING: PATTERNS AND RELATIONSHIPS			
	The student will use number properties and algebraic reasoning to identify, simplify, and solve linear equations and inequalities.			
March/ April	1.1 Identify, describe, and analyze functional relationships (linear and nonlinear) between two variables.	9-1, 9-2, 9-3, 9-4, 9-5, 9-6, 9-7	10-2, 10-3, 10-4	11-4
November	1.2 Write and solve two-step equations with one variable using number sense, the properties of operations, and the properties of equality.	4-1, 4-2	4-3, 4-4, 4-5, 4-6	9-8
November	1.3 Inequalities: Model, write, solve and graph one-step linear inequalities with one variable.	4-7	4-8	4-9
	Standard 2 – NUMBER SENSE AND OPERATIONS			
	The student will use numbers and number relationships to solve a variety of problems.			
September/ October	2.1 Number Sense a. compare and order positive and negative rational numbers. b. Build and recognize models of perfect squares to find their square roots and estimate the square root of other numbers.	1-4, 1-6, 2-2, 2-4, 2-5, 2-6, 2-7, 2-8, 3-1	5-1, 5-2, 5-5, 5-6, 6-1, 6-2, 6-6	8-6, 8-7
November	c. Demonstrate the concept of ratio and proportion with models. (e.g., similar geometric shapes, scale models).			

December	<p>2.2 Number Operations:</p> <p>a. Solve problems using ratios and proportions.</p> <p>b. Solve percent application problems (e.g., discounts, tax, finding the missing value of percent/part/whole).</p>	<p>1-2, 1-3, 1-7, 1-8, 1-9, 2-1, 2-3, 3-2, 3-3, 3-4, 3-5</p>	<p>5-1, 5-2, 5-3, 5-4, 5-5, 5-6, 6-1, 6-2, 5-3, 6-4, 6-5, 6-6, 6-7, 6-8</p>	<p>7-7, 11-6, 12-2</p>
	<p>Standard 3 – GEOMETRY</p> <p>The student will apply the properties and relationships of plane geometry in a variety of contexts.</p>			
January	3.1 Classify regular and irregular geometric figures including triangles and quadrilaterals according to their sides and angles.	7-3	7-40	7-6
January	3.2 Identify and analyze the angle relationships formed by parallel lines cut by a transversal (e.g., alternate interior angles, alternate exterior angles, adjacent, and vertical angles).	7-1	7-2	7-2
January	3.3 Construct geometric figures and identify geometric transformations on the rectangular coordinate plane (e.g., rotations, translations, reflections, magnifications)	7-8, 10-1	10-5, 10-6	10-7
	<p>Standard 4 – MEASUREMENT</p> <p>The student will use measurements to solve problems in a variety of contexts.</p>			
February	4.1 Develop and apply the formulas for perimeter and area of triangles and quadrilaterals to solve problems.	8-1	8-2 8-3	8-4
February	4.2 Apply the formula for the circumference and area of a circle to solve problems.	8-5	8-5	8-5

February	4.3 Find the area and perimeter of composite figures to solve application problems.	8-4	8-9	8-9
	Standard 5 – DATA ANALYSIS			
	The student will use data analysis, probability, and statistics to interpret data in a variety of contexts.			
March	5.1 Data Analysis: Compare, translate, and interpret between displays of data.	11-1, 11-2	11-3, 11-4	11-6
April	5.2 Probability: Determine the probability of an event involving “or”, “and”, or “not”.	12-1	12-3, 12-4	12-5, 12-6
April	5.3 Central Tendency: Compute the mean, median, mode, and range for data sets and understand how additional data or outliers in a set may affect the measures of central tendency.	1-10	11-3	11-6