TERM	COMPETENCY/OBJECTIVE	DOK LEVEL	PLD	BLUEPRINT DATA
	August 10, 2009 – October 9, 2009			**60 Total Items** 50 Core/10 Field Test
1st Nine Weeks	**1. Apply concepts and perform basic operations using real numbers in real-world contexts.**			**10**
	1a. Define, classify, and order rational and irrational numbers and their subsets.	**1**	Basic *(Define)* Proficient *(Classify & Order)*	
	1b. Formulate and solve standard and real-life problems involving addition, subtraction, multiplication, and division of rational numbers (integers).	**2**	Proficient	
	1d. Simplify and evaluate expressions using order of operations and use the real number properties to justify solutions.	**2**	Basic (Simplify) Proficient (Evaluate)	
	2. Apply properties to simplify algebraic expressions, solve linear equations and inequalities, and apply principles of graphing.			**15**
	2a. Simplify and evaluate numerical and algebraic expressions.	**1**	Basic (Simplify) Proficient (Evaluate)	
	***2b.** Apply properties of real numbers with an emphasis on the distributive properties of multiplication over addition and subtraction.	**1**	Proficient	
	2c. Solve and check equations and inequalities using one variable.	**2**	Proficient	
	2d. Model inequalities (and their solutions) on a number line.	**1**	Proficient	
	Review Objectives.			

Underlined items are the focus for the objective.
Italicized items are re-teaching objectives.
***The teacher may need to provide additional resources.**

TERM	COMPETENCY/OBJECTIVE	DOK LEVEL	PLD	BLUEPRINT DATA
	October 12, 2009 – December 18, 2009			
2nd Nine Weeks	**2. Apply properties to simplify algebraic expressions, solve linear equations and inequalities, and apply principles of graphing.**			**15**
	***2f.** Given a linear graph, identify its slope as positive, negative, undefined, or zero and interpret slope as rate of change.	**2**	Proficient	
	***2e**. Graph linear equations and non-linear equations ($y = x^2$) using multiple methods including t-tables and slope-intercept.	**2**	Proficient	
	2g. Determine slope, x-intercept, and y-intercept from a graph and/or equation in slope-intercept or standard form.	**1**	Proficient	
	2i. Predict characteristics of a graph given an equation or t-table.	**2**	Proficient	
	1. Apply concepts and perform basic operations using real numbers in real-world contexts.			**10**
	1e. Explain the rules of exponents related to multiplication and division of terms with exponents.	**2**	Proficient	
	1f. Recognize and appropriately use exponential and scientific notation.	**1**	Basic	
	1a. Define, classify, and order rational and irrational numbers and their subsets.	**1**	Basic *(Define)* Proficient *(Classify)*	
	1g. Explain and use the inverse relationship between square roots and squares.	**2**	Proficient	
	3. Identify and apply geometric principles to polygons, angles, and two- and three-dimensional figures.			**10**
	3c. Explain the Pythagorean Theorem and apply it to solve routine and non-routine problems.	**3**	Proficient	

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TERM	COMPETENCY/OBJECTIVE	DOK LEVEL	PLD	BLUEPRINT DATA
	4. Understand measurable attributes of objects and apply various formulas in problem solving situations.			**7**
	4b. Develop, analyze, and explain methods for solving problems involving proportions, such as scaling and finding equivalent ratios.	**3**	Proficient	
	3. Identify and apply geometric principles to polygons, angles, and two- and three-dimensional figures.			**10**
	3d. Solve real-world and non-routine problems involving congruent and similar figures.	**3**	Proficient	
	1. Apply concepts and perform basic operations using real numbers in real-world contexts.			**10**
	***1b.** Formulate and solve standard and real-life problems involving addition, subtraction, multiplication and division of rational numbers (whole numbers, fractions, decimals and percents).	**2**	Proficient	
	Review Objectives.			

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TERM	COMPETENCY/OBJECTIVE	DOK LEVEL	PLD	BLUEPRINT DATA
	January 5, 2010 – March 11, 2010			
3rd Nine Weeks	**3. Identify and apply geometric principles to polygons, angles, and two- and three-dimensional figures.**			**10**
	3a. Locate and identify angles formed by parallel lines cut by a transversal(s) (e.g., adjacent, vertical, complementary, supplementary, corresponding, alternate interior and alternate exterior.)	**1**	Basic *(Identify)* Proficient *(Locate)*	
	3b. Find the missing angle measurements for parallel lines cut by a transversal(s) and for a vertex of a polygon.	**1**	Proficient	
	3e. Use two-dimensional representations (nets) of three-dimensional objects to describe objects from various perspectives.	**2**	Proficient	
	4. Understand measurable attributes of objects and apply various formulas in problem solving situations.			**7**
	4c. Use formulas and/or appropriate measuring tools to find length and angle measures (to appropriate levels of precision), perimeter, area, volume, and surface area of polygons, circles, spheres, cones, pyramids, and composite or irregular figures.	**1**	Basic	
	***4a.** Solve real-world application problems that include length, area, perimeter, and circumference using standard measurements.	**2**	Proficient	
	5. Interpret, organize, and make predictions about a variety of data using concepts of probability.			**8**
	***5a.** Use a given mean, mode, median, and range to summarize and compare data sets including investigation of the different effects that change in data values have on these measures.	**2**	Proficient	

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TERM	COMPETENCY/OBJECTIVE	DOK LEVEL	PLD	BLUEPRINT DATA
	Review Objectives.			
	March 12, 2010 – May 26, 2010 MCT2 May 11th – May 13th			
4th Nine Weeks	**5. Interpret, organize, and make predictions about a variety of data using concepts of probability.**			**8**
	***5a.** *Use a given mean, mode, median, and range to summarize and compare data sets including investigation of the different effects that change in data values have on these measures.*	**2**	Proficient	
	***5b.** Select the appropriate measures of central tendency for a particular purpose.	**2**	Proficient	
	5d. Construct and interpret scatter plots to generalize trends from given data sets.	**3**	Proficient	
	5c. Make and list conjectures by calculating probability for experimental or simulated contexts.	**3**	Proficient	
	2. Apply properties to simplify algebraic expressions, solve linear equations and inequalities, and apply principles of graphing.			**15**
	***2b.** Apply properties of real numbers with an emphasis on the distributive properties of multiplication over addition and subtraction.*	**1**	Proficient	
	2h. Add, subtract, and multiply monomials and binomials.	**1**	Proficient	
	1. Apply concepts and perform basic operations using real numbers in real-world contexts.			**10**
	1c. Apply the concepts of Greatest Common Factor (GCF) and Least Common Multiple (LCM) to monomials with variables.	**2**	Proficient	
	Review Objectives.			

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