

6th Grade Math Pacing Guide

First Nine Weeks

Objective	Competency	DOK	Date Taught	Assessment
1a	Compare and order rational numbers using symbols (<, >, and =) and a number line. .	1		
1b	Use estimation strategies to determine the reasonableness of results in a variety of situations including rational number computations.	2		
1c	Determine the Greatest Common Factor and Least Common Multiple of two numbers.	2		
1d	Compute using basic operations with fractions and mixed numbers. Express answers in the simplest form.	1		
1e	Solve problems by dividing whole and decimal numbers by decimals and interpret the quotient and remainder within the problem context.	2		
1g	Model addition and subtraction of integers with physical materials and the number line.	2		
1h	Solve problems by finding the percentage of a number including percentages greater than 100 and less than 1.	2		
1i	Multiply four-digit numbers by two-digit numbers.	1		
1j	Explain the meaning of multiplication and division of rational numbers.	2		
1j	Explain the meaning of multiplication and division of rational numbers.	2		
2a	Solve simple equations using guess-and-check, diagrams, properties, or inspection, explaining the process used.	2		
2d	State the following properties using variables and apply them in solving problems: <ol style="list-style-type: none"> Zero property of multiplication Inverse properties of addition/subtraction and multiplication/division Commutative and associative properties of addition and multiplication Identity properties of addition and multiplication Distributive properties of multiplication over addition and subtraction 	1		
2e	Describe a rule for a function table using words, symbols, and points on a graph and vice versa.	2		
3c	Draw, label, and classify polygons to include regular and irregular shapes. Identify congruent and symmetrical figures.	1		

3d	Identify, estimate, and compare right, acute, and obtuse angles.	1		
5a	Construct, interpret, and explain line graphs, double bar graphs, frequency plots, stem-and-leaf plots, histograms, and box-and-whisker plots.	2		
5b	Determine how changes in data affect mean, median, mode, and range.	2		

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Second Nine Weeks

Objective	Competency	DOK	Date Taught	Assessment
1f	Explain the relationship among fractions, decimals, and percents and model and represent a specific quantity in multiple ways.	2		
3b	Construct three-dimensional figures using manipulatives and generalize the relationships among vertices, faces, and edges.	3		
4a	Convert units within a given measurement system to solve problems.	1		
4c	Determine the radius, diameter, and circumference of a circle.	1		
4e	Predict and calculate the volume of prisms.	2		
4f	Apply techniques and tools to accurately find length, area, and angle measures to appropriate levels of precision.	1		

Re-teach skills 1a, 1b, 1c, 1d,1e, 1g, 1h, 1i, 1j, 2a, 2d,2e, 3c, 3d, 5a, 5b

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Third Nine Weeks

Objective	Competency	DOK	Date Taught	Assessment
2b	Complete a function table based on a given rule.	2		
2c	Formulate algebraic expressions, equations, and inequalities to reflect a given situation.	2		
3a	Compare, classify, and construct transformations (reflections, translations, and rotations).	3		
3e	Explain the relationships between corresponding parts of the pre-image and image of dilation.	2		
4b	Calculate the perimeter and area of regular and irregular shapes using a variety of methods.	2		
4d	Use scale factors to perform dilations and to solve ratio and proportion problems.	2		
4g	Explain the relationship of circumference of a circle to its diameter, linking to pi.	1		

Re-teach skills: 1a, 1b, 1c, 1d, 1e, 1g, 1h, 1i, 1j, 2a, 2b, 2c, 2d, 2e, 3a, 3c, 3d, 3e, 4b, 4d, 4g, 5a, 5b

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Fourth Nine Weeks

Objective	Competency	DOK	Date Taught	Assessment
1k	Explain the meaning and relationship between absolute value and opposites.	2		
5c	Predict trends based on graphical representation.	3		

Re-teach skills: 1a, 1b,1c, 1d,1e, 1f, 1g, 1h, 1i, 1j, 2a, 2b, 2c, 2d, 2e, 3a, 3b, 3c, 3d, 3e, 4a, 4b, 4c, 4d,4e, 4f, 4g, 5a, 5b,