

5th Grade Math Pacing Guide

First Nine Weeks

Lessons 1-32

Objective	Competency	DOK	Date Taught	Assessment
1A	Compose and order integers, decimals to the nearest ten thousandths, like and unlike fractions, and mixed numbers using less than, greater than, and equal	1		
1B	Compose and decompose seven digit numbers and decimals through thousandths in word, standard, and expanded forms	1		
1C	Identify factors and multiples of whole numbers	1		
1F	Add, subtract, multiply, and divide (with and without remainders) using non-negative rational numbers	1		
2A	Determine the value of variables in equations and inequalities, justifying the process	2		
2C	Apply the property of basic operations to solve problems (zero, commutative, associative, distributive, identity properties of addition and multiplication)	2		
2D	Apply inverse operations of addition/subtraction and multiplication/division to problem solving situations.	2		
3D	Construct and analyze two and three dimensional shapes to solve problems involving congruence and symmetry	3		

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Second Nine Weeks

Lessons 33-60

Objective	Competency	DOK	Date Taught	Assessment
1A	Compose and order integers, decimals to the nearest ten thousandths, like and unlike fractions, and mixed numbers using less than, greater than, and equal	1		
1B	Compose and decompose seven digit numbers and decimals through thousandths in word, standard, and expanded forms	1		
1C	Identify factors and multiples of whole numbers	1		
1E	Model and identify equivalent fractions including conversion of improper fractions to mixed numbers and vice versa	1		
1F	Add, subtract, multiply, and divide (with and without remainders) using non-negative rational numbers	1		
1G	Estimate sums, differences, products, and quotients of non-negative rational numbers to include strategies such as front-end rounding, benchmark numbers, compatible numbers, and rounding.	2		
2A	Determine the value of variables in equations and inequalities, justifying the process	2		
2B	Devise a rule for an input/output function table, describing it in words and symbols.	2		
2C	Apply the property of basic operations to solve problems (zero, commutative, associative, distributive, identity properties of addition and multiplication)	2		
2D	Apply inverse operations of addition/subtraction and multiplication/division to problem solving situations.	2		
3D	Construct and analyze two and three dimensional shapes to solve problems involving congruence and symmetry	3		
4A	Estimate and measure length to nearest millimeter in the metric system and one-sixteenth inch in English system	2		
4B	Convert units within a given measurement system to include length, weight/mass and volume.	1		
4C	Develop, compare, and use formulas to estimate and calculate the perimeter and area of rectangles, triangles, and parallelograms.	2		
4D	Select and apply appropriate units for measuring length, mass, volume, and temperature in the standard (English and metric) systems.	1		
5A	Use the mean, median, mode, and range to analyze a data set.	2		
5B	Compare data and interpret quantities represented on tables and graphs including line graphs, stem and leaf plots, histograms, and box and whisker plots to make predictions and solve problems based on information	2		

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Third Nine Weeks

Lessons 61-90

Objective	Competency	DOK	Date Taught	Assessment
1A	Compose and order integers, decimals to the nearest ten thousandths, like and unlike fractions, and mixed numbers using less than, greater than, and equal	1		
1B	Compose and decompose seven digit numbers and decimals through thousandths in word, standard, and expanded forms	1		
1C	Identify factors and multiples of whole numbers	1		
1D	Model and distinguish between prime and composite numbers	1		
1E	Model and identify equivalent fractions including conversion of improper fractions to mixed numbers and vice versa.	1		
1G	Estimate sums, differences, products, and quotients of non-negative rational numbers to include strategies such as front-end rounding, benchmark numbers, compatible numbers, and rounding.	2		
2D	Apply inverse operations of addition/subtraction and multiplication/division to problem solving situations.	2		
3A	Analyze and describe the characteristics of symmetry relative to classes of polygons (parallelograms, triangles, etc.)	2		
3B	Explain the relationships between coordinates in each quadrant of the coordinate plane.	2		
3C	Describe the characteristics including the relationships of the pre-image and the image, of each type of transformation (rotations/turns, reflections/flips, and translations/slides) of two dimensional figures.	2		
3D	Construct and analyze two and three dimensional shapes to solve problems involving congruence and symmetry	3		
3E	Label ordered pairs in the coordinate plane.	1		
4A	Estimate and measure length to nearest millimeter in the metric system and one-sixteenth inch in English system	2		
4B	Convert units within a given measurement system to include length, weight/mass and volume.	1		
4D	Select and apply appropriate units for measuring length, mass, volume, and temperature in the standard (English and metric) systems.	1		
5A	Use the mean, median, mode, and range to analyze a data set.	2		

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Fourth Nine Weeks

Lessons 91-115

Objective	Competency	DOK	Date Taught	Assessment
1A	Compose and order integers, decimals to the nearest ten thousandths, like and unlike fractions, and mixed numbers using less than, greater than, and equal	1		
1B	Compose and decompose seven digit numbers and decimals through thousandths in word, standard, and expanded forms	1		
1C	Identify factors and multiples of whole numbers	1		
1D	Model and distinguish between prime and composite numbers	1		
1E	Model and identify equivalent fractions including conversion of improper fractions to mixed numbers and vice versa.	1		
1F	Add, subtract, multiply, and divide (with and without remainders) using non-negative rational numbers	1		
1G	Estimate sums, differences, products, and quotients of non-negative rational numbers to include strategies such as front-end rounding, benchmark numbers, compatible numbers, and rounding.	2		
3A	Analyze and describe the characteristics of symmetry relative to classes of polygons (parallelograms, triangles, etc.)	2		
3C	Describe the characteristics including the relationships of the pre-image and the image, of each type of transformation (rotations/turns, reflections/flips, and translations/slides) of two dimensional figures.	2		
4A	Estimate and measure length to nearest millimeter in the metric system and one-sixteenth inch in English system	2		
4B	Convert units within a given measurement system to include length, weight/mass and volume.	1		
4C	Develop, compare, and use formulas to estimate and calculate the perimeter and area of rectangles, triangles, and parallelograms.	2		
4D	Select and apply appropriate units for measuring length, mass, volume, and temperature in the standard (English and metric) systems.	1		
5A	Use the mean, median, mode, and range to analyze a data set.	2		
5B	Compare data and interpret quantities represented on tables and graphs including line graphs, stem and leaf plots, histograms, and box and whisker plots to make predictions and solve problems based on information	2		

*Lessons that contain previously covered information that may be omitted are: 107, 108, 117-120.