

4th Grade Math Pacing Guide

First Nine Weeks

Objective	Competency	DOK	Date Taught	Assessment
1A	Add and subtract up to five-digit whole numbers with and without regrouping	1		
1B	Add and subtract decimals through hundredths	1		
1F	Model and identify equivalent fractions	2		
1i	Recall multiplication and division facts	1		
1j	Compose and decompose five digit numbers and decimal numbers through hundredths with representation in words, physical models, and expanded and standard forms	1		
1k	Determine and use benchmark numbers such as 0, 0.5 (1/2) and 1 to judge the magnitude of whole numbers, decimals, and fractions	2		
1L	Model factors and multiples of whole numbers	1		
2a	Analyze a given numeric pattern and generate a similar pattern	2		
2d	<p>Explain the properties of the basic operations using models, numbers, and variables</p> <ul style="list-style-type: none"> • Zero property of multiplication • Associative properties of addition and multiplication • Commutative properties of addition and multiplication • Identify properties of addition and multiplication • Distributive property of multiplication over addition and subtraction 	2		
2e	Demonstrate and explain the inverse operations of addition/subtraction and multiplication/division	2		
3b	Identify and analyze the relationships between and among points, lines, line segments, angles, and rays	2		
4d	Use appropriate tools to determine, estimate, and compare units for measurement of weight/mass, area, size of angle, temperature, length, distance, and volume in English and metric systems and time in real life situations.	1		
5a	Draw, label, and interpret bar graphs, line graphs, and stem and leaf plots	2		

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Second Nine Weeks

Objective	Competency	DOK	Date Taught	Assessment
1c	Explain two or more methods of multiplying whole numbers (one-and two-digits) with justification.	2		
2b	Determine the value of variables in equations: justify the process used to make the determination	2		
2c	Construct input/output function tables and generalize the rule using words, models, and symbols	3		
4a	Estimate and measure a given object to the nearest eighth of an inch	2		
4b	Convert capacity, weight/mass, and length within the English and metric systems of measurement	1		
5c	Compare data and interpret quantities represented on tables and graphs including line graphs, bar graphs, frequency tables, and stem and leaf plots to make predictions and solve problems based on the information.	3		

Re-teach skills 1a, 1b, 1f, 1i, 1j, 1k, 1l, 2a, 2d, 2e, 3b, 4d, 5a

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Third Nine Weeks

Objective	Competency	DOK	Date Taught	Assessment
1d	Explain two or more methods of dividing four digit dividends by one and two digit divisors with and with out remainders and justify the processes	2		
1g	Represent equivalence relationships between fractions and decimals using concrete materials, diagrams, or other models	1		
1h	Estimate products and quotients of whole numbers to include strategies such as rounding	2		
3a	Analyze and describe the similarities and differences between and among two and three dimensional geometric shapes, figures, and models using mathematical language	2		
3c	Identify transformations (rotations {turns}, reflections {flips}, and translations {slides} of two dimensional figures	1		
4c	Describe relationships of rectangular area to numerical multiplication	2		
5b	Find and interpret the mean, mode, median, and range of a set of data	1		

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

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Fourth Nine Weeks

Objective	Competency	DOK	Date Taught	Assessment
1e	Add and subtract fractions with like denominators	1		
3d	Locate ordered pairs in the first quadrant of the coordinate plane	1		

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