

5th Grade Math Pacing Guide

Taught Before March 12th

| Unit | Time Frame | Standards |
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| Unit 1: Problem Solving with Addition and Subtraction (includes perimeter) | 8 days | <p>5.4 (+ and -) Create and solve single-step and multistep practical problems involving addition and subtraction of whole numbers.</p> <p>5.4 EKS • Apply strategies, including place value and application of the property of addition to solve problems.</p> <p>5.8 Solve practical problems that involve perimeter in standard units of measure.</p> |
| Unit 2: Problem Solving with Multiplication and Division (includes area) | 18 days | <p>5.4 (x and ÷) Create and solve single-step and multi-step practical problems involving addition, subtraction, multiplication, and division (with and without remainders) of whole numbers.</p> <p>EKS 5.4</p> <ul style="list-style-type: none"> • Use the context to interpret the quotient and the remainder. • Apply strategies, including place value and application of the properties of addition and multiplication to solve problems. <p>5.8a Solve practical problems that involve area in standard units of measure.</p> |
| Unit 3: Measurement | 16 days | <p>5.8a Solve practical problems that involve perimeter, area, and volume in standard units of measure.</p> <p>EKS 5.8a</p> <ul style="list-style-type: none"> • Develop a procedure for determining the area of a right triangle. • Develop a procedure for determining the volume of a rectangular prism using manipulatives. <p>5.8b Differentiate among perimeter, area, and volume and identify whether the application of the concept of perimeter, area, or volume is appropriate for a given situation.</p> |

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| | | <p>5.9a Given the equivalent measure of one unit, identify equivalent measurements within the metric system.</p> <p>5.9b Solve practical problems involving length, mass, and liquid volume using metric units.</p> <p>5.11 Solve practical problems related to elapsed time in hours and minutes within a 24-hour period.</p> |
| Unit 4: Fraction and Decimal Number Sense | 24 days | <p>5.2a Represent and identify equivalencies among fractions and decimals, with and without models.</p> <p>EKS 5.2a</p> <ul style="list-style-type: none"> • Represent fractions with denominators that are thirds, eighths, and factors of 100 in their equivalent decimal form with concrete or pictorial models. • Represent decimals in their equivalent fraction form (thirds, eighths, and factors of 100) with concrete or pictorial models. <p>5.1 Given a decimal through thousandths, round to the nearest whole number, tenth, or hundredth.</p> <p>o Read decimals correctly, reinforce place value of the digits in the numbers as they are discussed.</p> <p>5.2b Compare and order fractions, mixed numbers, and/or decimals in a given set from least to greatest and greatest to least.</p> <p>EKS 5.2b</p> <ul style="list-style-type: none"> • Use the symbols $>$, $<$, $=$, and \neq to compare decimals through thousandths, fractions (proper or improper fractions), and/or mixed numbers, having denominators of 12 or less. |
| Unit 5: Data Analysis and Statistics | 10 days | <p>5.16a Given a practical problem, represent data in line plots and stem-and-leaf plots.</p> <p>5.16b Interpret data represented in line plots and stem-and-leaf plots.</p> |

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| | | <p>5.16c Compare data represented in a line plot with the same data represented in a stem-and-leaf plot.</p> <p>5.17a Given a practical context, describe mean, median, and mode as measures of center.</p> <p>5.17b Given a practical context, describe mean as fair share.</p> <p>5.17c Given a practical context, describe the range of a set of data as a measure of spread.</p> <p>5.17d Given a practical context, determine the mean, median, mode, and range of a set of data.</p> |
| Unit 6: Computation and Problem Solving with Fractions | 20 days | <p>5.6a Solve single-step and multistep practical problems involving addition and subtraction with fractions and mixed numbers.</p> <p>5.6b Solve single-step practical problems involving multiplication of a whole number, limited to 12 or less, and a proper fraction, with models.</p> |
| Unit 7: Computation and Problem Solving with Decimals | 14 days | <p>5.5a Estimate and determine the product and quotient of two numbers involving decimals.</p> <p>EKS 5.5a</p> <ul style="list-style-type: none"> • Divisors are limited to a single digit whole number or a decimal expressed as tenths. (See all parameters in the Unit Guide) • Use multiple representations to model multiplication and division of decimals and whole numbers. <p>5.5b Create and solve single-step and multistep practical problems involving addition, subtraction, and multiplication of decimals, and create and solve single-step practical problems involving division of decimals.</p> |
| Unit 8: Patterns, Functions and Algebra | 18 days (Instruction ended on day 3 of 18) | <p>5.3a Identify and describe characteristics of prime and composite numbers.</p> |

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| | | <p>EKS 5.3a</p> <ul style="list-style-type: none">• Demonstrate with concrete or pictorial representations and explain orally or in writing why a number is prime or composite. <p>5.3b Identify and describe characteristics of even and odd numbers.</p> <p>EKS 5.3b</p> <ul style="list-style-type: none">• Demonstrate with concrete or pictorial representations and explain orally or in writing why a number is even or odd, and why the sum or difference of two numbers is even or odd. |
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