

**FIFTH GRADE
Mathematics
PRIORITY STANDARDS**

Algebraic Reasoning: Operations

5.OA.A.1	Write and evaluate numerical expressions that include parentheses.
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Numeric Reasoning: Base Ten Arithmetic

5.NBT.A.1	Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.
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5.NBT.A.4	Use place value understanding to round decimals to any place.
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5.NBT.B.5	Fluently multiply multi-digit whole numbers using accurate, efficient, and flexible strategies and algorithms based on place value and properties of operations.
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5.NBT.B.6	Use a variety of representations and strategies to find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors.
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5.NBT.B.7	Use a variety of representations and strategies to add, subtract, multiply, and divide decimals to hundredths. Relate the strategy to a written method and explain the reasoning used.
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Numeric Reasoning: Fractions

5.NF.A.1	Add and subtract fractions with unlike denominators, including common fractions larger than one and mixed numbers.
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5.NF.B.3	Interpret a fraction as division of the numerator by the denominator ($a/b = a \div b$). Solve problems in authentic contexts involving division of whole numbers that result in answers that are common fractions or mixed numbers.
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5.NF.B.4	Apply and extend previous understanding and strategies of multiplication to multiply a fraction or whole number by a fraction. Multiply fractional side lengths to find areas of rectangles, and represent fractional products as rectangular areas.
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5.NF.B.5	Apply and extend previous understandings of multiplication and division to represent and calculate
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5.NF.B.7	Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions, including solving problems in authentic contexts.
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Geometric Reasoning and Measurement

5.GM.A.1	Graph and name coordinate points in the first quadrant using the standard (x, y) notation. Understand the coordinate points values represent the distance traveled along the horizontal x-axis and vertical y-axis.
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5.GM.D.7	Relate volume of rectangular prisms to the operations of multiplication and addition. Solve problems in authentic contexts involving volume using a variety of strategies.
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Data Reasoning

5.DR.B.2	Analyze graphical representations and describe the distribution of the numerical data through line plots or categorical data through bar graphs. Interpret information presented to answer investigative questions.
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	* Denotes a revision has been made to the original Common Core State Standard.
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