

Pacing Plan — 6th Grade Math

Sun Aug 16 – Sat Aug 22, 2026 — Sun May 2 – Sat May 8, 2027 · 38 weeks · 165 lessons · 12 units

Unit Summary

UNIT	LESSONS	STANDARDS	KEY OBJECTIVES
● Numerical Representations	11	6.2A, 6.2C, 6.2B, 6.2D, 6.2E	Students will classify a number as a whole number, integer, or rational number.; Students will describe the relationship between sets of numbers.; Students will define integers and locate them on a number line.; Students will identify the position of an integer relative to zero.; Students will define absolute value as the distance from zero. +16 more
● Positive Rational Numbers	18	6.3E, 6.2E, 6.3B, 6.3A, 6.2A	Students will add and subtract decimals by aligning the decimal point.; Students will solve real-world problems involving decimal sums.; Students will multiply decimals using the standard algorithm.; Students will determine the correct placement of the decimal point in a product.; Students will divide multi-digit whole numbers using long division. +25 more
● Integer Operations	9	6.3C, 6.3D	Students will represent integer addition using color counters.; Students will model integer addition on a number line.; Students will model integer subtraction using the take-away and additive inverse methods.; Students will use zero pairs to represent subtracting a larger value from a smaller value.; Students will add integers using algorithmic rules based on absolute value and sign signs. +10 more
● Ratios and Rates	14	6.4B, 6.4C, 6.5A, 6.4D, 6.4H, 6.6C	Students will write ratios in three different forms based on given models.; Students will define ratios as comparisons of two quantities.; Students will identify and describe ratio relationships between two quantities.; Students will distinguish between part-to-part and part-to-whole ratios.; Students will construct ratio tables to identify patterns between quantities. +15 more
● Percents	13	6.4E, 6.4F, 6.5B, 6.5C, 6.4G	Students will define percent as a ratio out of 100.; Students will represent various percentages using 10x10 visual models.; Students will identify common benchmark percentages for halves, fourths, and tenths.; Students will relate visual models of fractions to their percentage counterparts.; Students will convert fractions to decimals and percentages. +11 more
● Expressions	12	6.7B, 6.7C, 6.7A, 6.7D, 6.9A, 6.9B	Students will distinguish between numerical and algebraic expressions.; Students will identify the parts of an algebraic expression.; Students will write numerical expressions using exponents.; Students will evaluate expressions containing whole-number exponents.; Students will decompose composite numbers into prime factors using exponents. +10 more
● Equations and Inequalities	17	6.9B, 6.10A, 6.10B, 6.9A, 6.9C	Students will distinguish equations from expressions.; Students will model addition equations using balances and counters.; Students will solve subtraction equations algebraically.; Students will determine if a given value is a solution to an equation.; Students will write equations to represent situations involving change or comparison. +18 more
● Algebraic Representations	9	6.11A, 6.6B, 6.6C, 6.4A, 6.6A, 6.5A	Students will identify independent and dependent variables.; Students will plot points on the coordinate plane.; Students will identify multiplicative patterns in tables.; Students will represent multiplicative relationships using equations ($y = ax$); Students will identify additive patterns in numeric tables. +7 more
● Geometry	13	6.8A, 6.10A, 6.8B, 6.8C, 6.8D, 6.11A	Students will recognize basic properties of interior angles of a triangle.; Students will determine the missing angle measure in a triangle using algebraic equations.; Students will apply the Triangle Inequality Theorem.; Students will compare side lengths and their opposite angles.; Students will solve real-world problems involving area of rectangles and parallelograms. +12 more
● Data and Statistics	10	6.12B, 6.12C, 6.13B, 6.12A, 6.13A, 6.12D	Students will calculate the mean and median of a data set.; Students will identify the median as the middle value in an ordered set.; Students will calculate the range of a numeric data set.; Students will determine the interquartile range to describe data spread.; Students will construct dot plots from a frequency table. +12 more
● Financial Literacy	12	6.14H, 6.14A, 6.14B, 6.14C, 6.14D, 6.14E, 6.14F, 6.14G	Students will compare annual salaries of various careers.; Students will discuss the relationship between education level and income.; Students will identify features of checking accounts.; Students will distinguish between debit and credit cards.; Students will calculate the current balance in a check register. +15 more

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● Test Prep and Review	27	6.2A, 6.2B, 6.2C, 6.2D, 6.3E, 6.3C, 6.3D, 6.4B, 6.4H, 6.5A, 6.4G, 6.5B, 6.7A, 6.7C, 6.7D, 6.9A, 6.10A, 6.10B, 6.6A, 6.6B, 6.8C, 6.8D, 6.11A, 6.12A, 6.12C, 6.13A, 6.8B, 6.2E, 6.3A, 6.3B, 6.4C, 6.4D, 6.4E, 6.4F, 6.5C, 6.4A, 6.6C, 6.7B, 6.9B, 6.9C, 6.8A, 6.12B, 6.12D, 6.13B, 6.14A, 6.14B, 6.14C, 6.14E, 6.14F, 6.14G, 6.14H	Students will locate and compare rational numbers on a number line.; Students will classify numbers within the real number system.; Students will solve multi-step problems involving positive rational numbers.; Students will use models and algorithms to solve integer problems.; Students will use ratio reasoning to solve real-world problems. +32 more