

# BASIC MATH SKILLS

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## SCOPE AND SEQUENCE

### CHAPTER 1

Key topics: Identity Property, Commutative Property, single and multiple digits, place value, carrying, borrowing, multiplication, division, remainders, length, volume

### CHAPTER 2

Key topics: number systems: whole, counting, sets, greater than and less than, patterns, number line; fractions and decimals: conversions, money, addition and subtraction, multiplication and division; rounding and estimation, ratios, percent, simple interest, word problems

### CHAPTER 3

Key topics: graphs, negative numbers: addition, subtraction, multiplication and division; grouping, operational symbols, associative and distributive properties, exponents, PEMDAS, square power, square roots, cubes, English weight, fractional measure, interest

### CHAPTER 4

Key topics: shapes—triangles, polygons, rectangles and circles; Pythagoras, complements and supplements, transverse angles, solids, surface area, volumes, equations of one unknown, lengths and combining

### CHAPTER 5

Key topics: fractional metrics, English to Metric System, conversions, prime, mean, mode, median, range, scientific notation: multiplying and dividing, estimates, interest, temperature conversions

### CHAPTER 6

Key topics: Calculation with a scientific calculator—addition, subtraction, multiplication, division, powers and roots, percent, area, volume; scientific notation, mean and median, weight conversions, unknowns, temperature