

## Grade 5

- Number theory through hundred billion; review expanded form through hundred billion; review Roman numbers; divisibility; prime and composite; prime factorization; introduction to factor trees and exponents
- Place value to hundred billions
- Rounding to the nearest tenth, hundredth, and thousandth; greater than and less than; equal and not equal

- Addition properties, terms, and facts; addition with 2, 3, 4, 5, and 6-digit numbers; equations; column addition; missing addends; estimating; adding money; more than one operation
- Subtraction properties, terms, and facts; subtraction with 2, 3, 4, 5, and 6-digit numbers; equations; estimating; subtracting money; more than one operation

- Time; a.m. and p.m.; century; equivalents; elapsed time; calendar; time zones
- Counting change
- Standard and metric linear, liquid, and weight equivalent; temperature reading and understanding Fahrenheit and Celsius; millimeter, centimeter, decimeter, meter, decameter, hectometer, and kilometer
- Understanding percentages; finding percents; percents and decimals; percents and fractions; discount and sales tax; fractions as percents
- Writing simple ratios

- Least common multiples; adding and subtracting fractions with unlike denominators; adding and subtracting mixed numbers; renaming; multiplying and dividing fractions; multiplying and dividing two fractions; reducing

- Shapes, solids and diagonals; symmetry; congruent and similar figures; congruent segments and angles
- Circles: diameter, radius, and chord
- Compass; protractor; types of triangles; classifying polygons
- Perimeter, area, volume, and surface area
- Addition, subtraction, multiplication, and division of equations

- Mean, mode, and median
- Problem solving, logical reasoning, and choosing an operation
- Probability with one variable
- Calculator math

- Multiplication terms, facts and properties; 3-digit times 3-digit numbers; exponents; missing factors; money by 2-digit number; multiplying by 10s, 100s, and 1,000's
- Division terms, facts, and properties; 3-digit quotients with remainders; averaging with remainders; dividing money; estimating quotients; zeros in the quotient

## Grade 6

- Word numbers through hundred trillion; scientific notation; base 2 numbers; order of operations; square roots
- Integers on a number line; opposite integers; comparing integers; adding integers; subtracting integers; multiplying integers; dividing integers
- Rounding to tenth, hundredth, and thousandth

- Addition properties, terms, and facts; addition with 2, 3, 4, 5, and 6-digits; missing addends
- Subtraction properties, terms, and facts; subtraction with 2, 3, 4, 5, and 6-digits
- Adding and subtracting money
- Counting change
- Adding and subtracting equations

- Standard and metric linear, liquid, and weight equivalent; temperature reading and understanding; Fahrenheit and Celsius; millimeter, centimeter, decimeter, meter, decameter, hectometer, and kilometer
- Word numbers to hundred thousandths; extend quotient to tenths, hundredths, thousandths; interpret the remainder; divide by a decimal; divide and multiply by 10, 100, 1,000; repeating decimals
- Write simple ratios; cross products; use cross products to solve for "n"; ratio as a percent; equal ratios

- Simplify before you multiply reciprocals; divide a whole number by a fraction; round an estimate with fractions; divide a fraction by a whole number; divide by a mixed number

- Construct a perpendicular bisector; bisect an angle; construct a regular hexagon; construct an equilateral triangle; construct a right triangle; construct a square; construct a parallelogram
- Writing equations for word problems

- Mean, mode, and median; graphing in all four quadrants
- Choosing an operation; multiple step problems; draw a picture; find a pattern; use a chart, table, menu, and schedule
- Writing checks, budgeting, banking, savings, understanding interest; using charts and tables

- Multiplication properties, terms and facts; missing factors; exponents; 4-digit by 4-digit; 5-digit by 5-digit
- Division properties, terms, and facts; estimating quotients; averaging with remainders; 4-digit divisor

**Numbers,  
Order,  
& Value**

**Addition &  
Subtraction**

**Ratios,  
Measurement,  
& Decimals**

**Fractions &  
Comparison**

**Equations,  
Colors, &  
Geometry**

**Graphs,  
Estimation,  
& Solving**

**Multiplication  
& Division**