

Parent's Guide to **Third Grade** Math

Number & Operations

Numbers to 100,000

- ★ Reads, writes, represents numbers up to 100,000
- ★ Uses place value (ten thousands, thousands, hundreds, tens, ones)
- ★ Finds a number that is 10,000 more or 10,000 less than a given 5-digit number
- ★ Finds a number that is 1,000 more or 1,000 less than a given 4- or 5-digit number
- ★ Finds a number that is 100 more or 100 less than a given 4- or 5-digit number
- ★ Rounds numbers to the nearest 10,000, 1,000, 100, and 10
- ★ Compares and orders numbers

Addition, Subtraction, Multiplication, & Division

- ★ Adds and subtracts multi-digit numbers
- ★ Solves real-world problems
- ★ Uses multiple strategies to solve multiplication and division
- ★ Multiplies 2- and 3-digit numbers by a 1-digit number

Fractions

- ★ Reads and writes fractions
- ★ Recognizes fractions represent parts of a whole, parts of a set, points and distances on a number line
- ★ Understands size of fractional part is relative to the whole
- ★ Orders and compares fractions with like denominators

Algebra

Patterns with Input-Output

- ★ Creates, describes, and applies input-output rules

Number Sentences

- ★ Interprets number sentences with unknowns represented by letters
- ★ Represents real-world situations using number sentences
- ★ Finds values for unknowns

Geometry & Measurement

Geometric Attributes

- ★ Identifies and uses parallel and perpendicular lines
- ★ Uses right triangles, rectangles, parallelograms and trapezoids
- ★ Sketches polygons

Measurement

- ★ Measures to the nearest half unit
 - ★ Finds perimeter
 - ★ Measures distances
- ### Time, Money, Temperature
- ★ Tells time to the minute
 - ★ Determines elapsed time
 - ★ Knows relationships among units of time
 - ★ Makes changes up to a dollar
 - ★ Uses thermometer to nearest degree

Data Analysis

- ★ Collects, displays, interprets data
- ★ Uses frequency tables, bar graphs, picture graphs, line plots