

Mathematics: Grade 3

Number and Operations

- Understands numbers and number systems
- Understands meanings and relationships of operations
- Computes fluently and makes estimates

Algebra

- Understands patterns, relations, and functions
- Analyzes mathematical situations and structures
- Uses models to understand relationships

Geometry

- Analyzes two-/three- dimensional geometric shapes
- Describes spatial relationships using geometry
- Uses geometric modeling to solve problems

Measurement

- Understands measurement attributes/processes
- Applies appropriate techniques to determine measurements

Data Analysis and Probability

- Collects, organizes, and displays relevant data
- Evaluates inferences and predictions based on data
- Applies basic concepts of probability

The process strands, **problem solving, reasoning and proof, communications, connections, and representation**, are interwoven and interdependent with the content strands.

Essential to Know:

- Develops strategies for solving addition/subtraction problems
- Generalizes pattern to determine rule
- Identifies/describes transformation of simple shape
- Makes/uses measurement estimates
- Selects/uses appropriate measurement tool and unit
- Reads/interprets/creates graphs and tables