



The mathematics standards in the elementary years focus on number and operations. Ideas from measurement and geometry help students learn about numbers and quantities. In each grade, students make sense of problems, explain their thinking, and describe their world with mathematics.

Expectations for Kindergarten Students:

- **Number and Quantity:** Fluently (consistently) write numerals and count items up to 20.
- **Algebra and Functions:** Understand addition as putting together and subtraction as taking apart for numbers up to 10.
- **Data, Statistics, and Probability:** Sort objects into groups by comparing attributes such as color, size, and shape.
- **Geometry:** Name shapes regardless of size or position (a triangle is still a triangle even when pointing down).

Throughout Kindergarten You May Find Students:

- Playing counting games to help focus on one-to-one counting (touching one object and saying one number name).
- Quickly seeing groups of two or three objects without counting.
- Recognizing multiple finger patterns for the numbers 1 to 10.
- Writing numerals.
- Acting out addition and subtraction word problems.
- Creating pictures to show how numbers were joined or broken apart.
- Making comparisons (“I have more crayons” “His pencil is shorter than mine”).
- Describing the basic location of objects (next to, under, over, inside).
- Naming and drawing shapes.
- Creating pictures by combining shapes (a house drawing created with a square and triangle).