



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 3rd Grade Students:

- **Number and Quantity:** Understand fractions as numbers that can be located on a number line.
- **Algebra and Functions:** Fluently (consistently) multiply and divide within 100 and add and subtract within 1000; understand the relationship between multiplication and division.
- **Data, Statistics, and Probability:** Create pictographs and bar graphs and connect them to the concepts of multiplication and division.
- **Geometry:** Find the area of a rectangle and connect area to the meaning of multiplication and division; create categories of shapes based on attributes.

Throughout 3rd Grade You May Find Students:

- Solving word problems involving addition, subtraction, multiplication, and division.
- Showing multiplication and division using pictures of equals groups and equations.
- Playing games to build fluency (consistency) with basic facts by discovering patterns related to multiplication and division.
- Connecting their work with fractions to their work with whole numbers (such as verbally counting with fractions).
- Drawing shapes to show fractions.
- Locating fractions on a number line and on a ruler.
- Covering shapes with squares to understand the difference between area and perimeter.