



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 1st Grade Students:

- **Number and Quantity:** Fluently (consistently) add and subtract within 10; mentally add or subtract 10 to any number; break apart numbers into groups of tens and ones.
- **Algebra and Functions:** Solve a variety of addition and subtraction word problems; use equations to show the relationship of numbers in a world problem ($9 = ? + 4$).
- **Data, Statistics, and Probability:** Measure and compare the length of objects; tell time to the nearest hour and half-hour.
- **Geometry:** Join and break apart shapes to create new shapes; find halves and fourths of shapes.

Throughout 1st Grade You May Find Students:

- Exploring the meaning of the equal sign (Does $9 + 7 = 9 + 1 + 6$?).
- Using connections between addition and subtraction to solve problems (if $5 + 7 = 12$ then what is $12 - ? = 5$).
- Mentally solving problems like $43 + 10$ and $56 - 10$.
- Describing a number like 37 as three tens and seven ones.
- Explaining the difference between seven, seventeen, and seventy.
- Solving addition and subtraction involving lengths.