



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 2nd Grade Students:

- **Number and Quantity:** Use an understanding of place value to add and subtract within 100.
- **Algebra and Functions:** Fluently (consistently) add and subtract within 20 using mental strategies.
- **Data, Statistics, and Probability:** Read and create pictographs and bar graphs; relate addition and subtraction to length, time and money.
- **Geometry:** Build, draw, and analyze 2-dimensional shapes (squares and triangles) and 3-dimensional shapes (cubes and pyramids).

Throughout 2nd Grade You May Find Students:

- Mentally adding and subtracting problems like $17 - 5$, $13 + 6$, and $15 - 12$.
- Skip counting by 5s (5, 10, 15), 10s (10, 20, 30), and 100s (100, 200, 300) starting at different numbers.
- Solving two-digit addition and subtraction problems using a variety of strategies.
- Using number lines to solve addition and subtraction word problems.
- Exploring the features of shapes and ways to break shapes into halves, thirds, and fourths.