

# Math - 2nd Grade

## Content Overview:

Mathematics instruction at the second grade level focuses on four critical areas: 1.) Extending understanding of base-ten notation 2.) Building fluency with addition and subtraction 3.) Using standard units of measure 4.) Describing and analyzing shapes. Second graders continue to use the Mathematical Practices to enable the development of thinking habits to understand mathematical concepts. Students develop fluency for addition and subtraction to 100 in order to solve two-step problems, problems involving lengths, and the interpretation of graphs and data. Second grade students continue to build on the strategies and models learned in first grade in order to build their understanding of the relationship between addition and subtraction.

## Textbooks/Programs:

1. Bridges Mathematics

## Assessments:

1. MAP-NWEA
2. Bridges Unit Assessments

## Standards/Learning Goals

Ohio's Learning Standards in Mathematics are comprised of 4 domains: Operations and Algebraic Thinking, Number and Operations in Base Ten, Measurement and Data, and Geometry. The skills listed under each domain are areas of focus in second grade.

### Operations and Algebraic Thinking

- Represent and solve problems involving addition and subtraction.
- Add and subtract within 20.
- Work with equal groups of objects to gain foundations for multiplication.

### Number and Operations in Base Ten

- Understand place value.
- Use place value understanding and properties of operations to add and subtract.

## Measurement and Data

- Measure and estimate lengths in standard units.
- Relate addition and subtraction to length.
- Work with time and money.
- Represent and interpret data.

## Geometry

- Reason with shapes and their attributes.