

# Math - 1st Grade

## Content Overview:

Mathematics instruction at the first grade level focuses on four critical areas: 1.) Developing an understanding of addition, subtraction, and developing strategies for addition and subtraction within 20. 2.) Developing understanding of whole number relationships and place value, including grouping in tens and ones. 3.) Developing understanding of linear measurement and measuring lengths as iterating length units 4.) Reasoning about attributes of, and composing and decomposing geometric shapes. First graders continue their use of the Mathematical Practices that they were introduced to in Kindergarten to enable them to develop thinking habits to understand mathematical concepts. Throughout the year students develop and compare strategies and models in order to build their understanding of the relationship between addition and subtraction. Students continue to develop their conceptual understanding of measurement through the use of nonstandard units, and of geometry through identifying shared attributes of different shapes.

## 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 first grade.

### Operations and Algebraic Thinking

- Represent and solve problems involving addition and subtraction.
- Understand and apply properties of operations and the relationship between addition and subtraction.
- Add and subtract within 20.
- Work with addition and subtraction equations.

### Number and Operations in Base Ten

- Extend the counting sequence.

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

## Measurement and Data

- Measure lengths indirectly and by iterating length units.
- Work with time and money.
- Represent and interpret data.

## Geometry

- Reason with shapes and their attributes.