

Grade 2 Overview

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.

Mathematical Practices

1. Make a problem involving addition and subtraction.
2. Read a problem and understand what is asked.
3. Choose a strategy to solve a problem.
4. Model a problem.
5. Use objects to represent a problem.
6. Add or subtract.
7. Look for and use patterns.
8. Look for and use patterns in a problem.

Operations and Algebraic Thinking

2.OA

Represent and solve problems involving addition and subtraction.

1. Use addition to solve subtraction word problems, and subtract to find the unknown in simple addition word problems. For example, if 8 birds sawed 10 woodpeckers, and 5 birds sawed 3 woodpeckers, how many more birds sawed 7 woodpeckers than birds sawed 3 woodpeckers?

Add and subtract within 20.

2. Fluently add and subtract within 20 using mental strategies. For example, to add 8 + 7, a student might first add 8 + 2 to get 10, and then add 5 more to get 15.

Work with equal groups of objects to gain foundations for multiplication.

3. Understand multiplication as repeated addition. For example, use five groups of three objects to represent the multiplication equation $5 \times 3 = 15$, and the addition equation $3 + 3 + 3 + 3 + 3 = 15$.
4. Use addition to find the total number of objects in a rectangular array with up to 5 rows and 5 columns. For example, find the total number of dots in a 5 by 5 array by adding the number of dots in each row: $5 + 5 + 5 + 5 + 5 = 25$.

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Measurement and Data**2.MD**

Measure and estimate lengths in standard units.

1. Measure the length of an object using standard units of length (e.g., inches, centimeters, feet).
Use appropriate tools and units to measure and estimate the length of an object (e.g., 32d).

