

# Resources in Mathematics:

## Fundamental Grade 2 Mathematics



### Key Concept

- The fundamental mathematics concepts developed in K-5 serve as the building blocks that prepare students for learning more advanced mathematics concepts.

#### Where They've Been:

1

- 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
- Extend the counting sequence
- Understand place value
- Use place value understanding and properties of operations to add and subtract
- Measure lengths indirectly and by iterating length units

#### Where They Are:

2

- Represent and solve problems involving addition and subtraction
- Add and subtract within 20
- Understand place value
- Use place value understanding and properties of operations to add and subtract
- Measure and estimate lengths in standard units
- Relate addition and subtraction to length

#### Where They're Going:

3

- Represent & solve problems involving multiplication and division
- Understand properties of multiplication and the relationship between multiplication and division
- Multiply & divide within 100
- Solve problems involving the four operations, and identify & explain patterns in arithmetic
- Develop understanding of fractions as numbers
- Solve problems involving measurement and estimation of intervals of time, liquid volumes, & masses of objects
- Geometric measurement: understand concepts of area and relate area to multiplication and to addition

# Resources in Mathematics:

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- These are key areas of focus in the standards for building students' foundational math skills.
- Some topics in each grade require more focus because they are more challenging and important for future success in fundamental mathematics. However, all content is important, and skipping any areas can create learning gaps that affect students later.

### Major Focuses within Grade 2

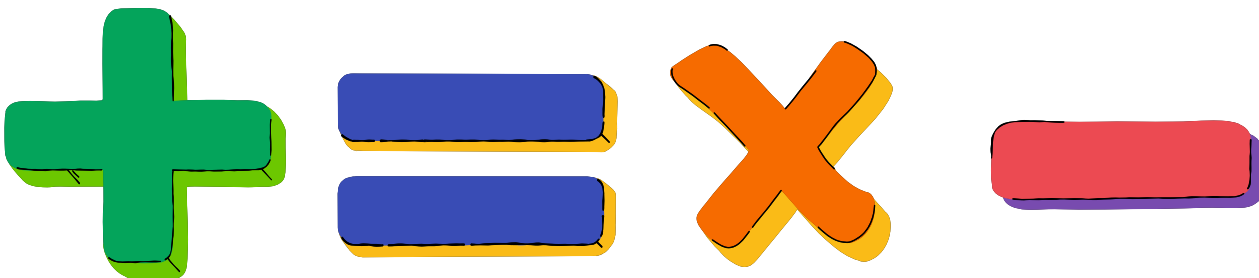
- Represent and solve problems involving addition and subtraction.
- Add and subtract within 20.
- Understand place value.
- Use place value understanding and properties of operations to add and subtract.
- Measure and estimate lengths in standard units.
- Relate addition and subtraction to length.

### Supporting Focuses within Grade 2

- Work with equal groups of objects to gain foundations for multiplication.
- Work with time and money.
- Represent and interpret data.

### Additional Focuses within Grade 2

- Reason with shapes and their attributes.



Citation

Student Achievement Partners. (2014, November 12). *SAP Focus Math K–8* [PDF]. Achieve the Core. <https://achievethecore.org/content/upload/SAP%20Focus%20Math%20K%E2%80%938%2011.12.14.pdf>