

# Resources in Mathematics:

## Fundamental Kindergarten 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 Are:

K

- Know number names and the count sequence
- Count to tell the number of objects
- Compare numbers
- Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from
- Work with numbers 11- 19 to gain foundations for place value

#### Where They're Going:

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- 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

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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 Kindergarten

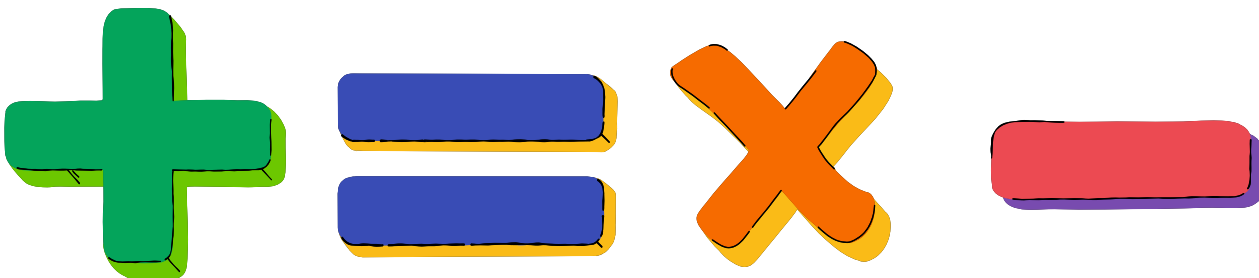
- Know number names and the count sequence.
- Count to tell the number of objects.
- Compare numbers.
- Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.
- Work with numbers 11–19 to gain foundations for place value.

### Supporting Focuses within Kindergarten

- Classify objects and count the number of objects in categories.
- Analyze, compare, create, and compose shapes.

### Additional Focuses within Kindergarten

- Describe and compare measurable attributes.
- Identify and describe shapes.



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>