

# MATHEMATICS KINDERGARTEN

In Kindergarten, instructional time should focus on two critical areas: 1) representing, relating, and operating on whole numbers, initially with sets of objects; 2) describing shapes and space. More learning time in Kindergarten should be devoted to number than to other topics.

## **COUNTING AND CARDINALITY**

*It is expected students will:*

- know number names and the count sequence.
- count to tell the number of objects.
- compare numbers.

## **OPERATIONS AND ALGEBRAIC THINKING**

*It is expected students will:*

- understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

## **NUMBER AND OPERATIONS IN BASE TEN**

*It is expected students will:*

- work with numbers 11–19 to gain foundations for place value.

## **MEASUREMENT AND DATA**

*It is expected students will:*

- describe and compare measurable attributes.
- classify objects and count the number of objects in categories.

## **GEOMETRY**

*It is expected students will:*

- identify and describe shapes.
- analyze, compare, create, and compose shapes.

## **STANDARDS FOR MATHEMATICAL PRACTICE**

*It is expected students will:*

- make sense of problems and persevere in solving them.
- reason abstractly and quantitatively.
- construct viable arguments and critique the reasoning of others.



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## ***MATHEMATICS KINDERGARTEN (Continued)***

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- model with mathematics.
- use appropriate tools strategically.
- attend to precision.
- look for and make use of structure.
- look for and express regularity in repeated reasoning.