

# Kindergarten Math Standards and Benchmarks

## **Standard 1: Acquire and use powerful, flexible and widely applicable skills in all areas of mathematics.**

- M.\_K.01.01 Engage in tasks for which the solution method is not known in advance.
- M.\_K.01.02 Reason in a wide range of mathematical and applied settings.
- M.\_K.01.03 Share ideas and clarify understanding to learn mathematics and to communicate mathematically.
- M.\_K.01.04 Connect mathematical ideas to deepen understanding.
- M.\_K.01.05 Represent mathematical processes and products in multiple ways.

## **Standard 2: Understand and apply basic and advanced properties of the concepts of numbers.**

- M.\_K.02.01 Use ordinal numbers appropriately (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>).
- M.\_K.02.02 Count objects to at least 30.
- M.\_K.02.03 Understands a variety of representations of whole numbers 0 to 30 (e.g., written numerals, objects in sets, number lines)
- M.\_K.02.04 Understand the order and relative values of whole numbers 0 to 30.

## **Standard 3: Use basic and advanced procedures while performing in the processes of computation.**

- M.\_K.03.01 Demonstrate addition and subtraction problems with real objects.
- M.\_K.03.02 Fluently composes and decomposes numbers to at least 5.

## **Standard 4: Understand and apply basic and advanced properties of the concepts of measurement.**

- M.\_K.04.01 Identify objects that are measurable and make direct comparisons. (For example: shorter, taller, heavier, lighter, holds more, holds less)
- M.\_K.04.02 Associate times of day with everyday events.
- M.\_K.04.03 Read a calendar to recognize days of week, sequence of days, months and seasons.

## **Standard 5: Understand and apply basic and advanced properties of the concepts of geometry.**

- M.\_K.05.01 Understand geometric relationships (similarities/differences among basic plane figures: circle, square, rectangle, and triangle).
- M.\_K.05.02 Understand the common language of spatial sense (e.g., inside, outside, between, above, below and behind).
- M.\_K.05.03 Describe geometric shapes in the environment and state their location.

## **Standard 6: Understand and apply basic and advanced concepts of statistics and data analysis.**

- M.\_K.06.01 Collect and display data using lists, charts, tables and simple graphs.
- M.\_K.06.02 Interpret simple graphs.

## **Standard 7: Understand and apply basic and advanced concepts of probability.**

None for Kindergarten

## **Standard 8: Understand and apply basic and advanced properties of functions and algebra.**

- M.\_K.08.01 Extend and create simple repeating patterns.
- M.\_K.08.02 Sort and classify objects by a single attribute.