



## CCPS ELEMENTARY MATHEMATICS

### KINDERGARTEN

Mathematics education in Calvert County Public Schools strives to build student skills in mathematical reasoning, strategic competence, conceptual understanding, procedural fluency, and a productive disposition. Kindergarten mathematics instruction is organized into five broad categories as indicated by the *Maryland College and Career-Ready Standards* with much of the content instruction focusing on two critical areas: (1) representing and comparing whole numbers and (2) describing shapes and space.

#### Counting and Cardinality

- Know number names and the count sequence
- Count to tell the number of objects
- Compare numbers

#### Operations and Algebraic Thinking

- Understand addition as putting together and adding to
- Understand subtraction as taking apart and taking from

#### Number and Operations in Base Ten

- Work with numbers 11-19 to gain foundations for place value

#### Measurement and Data

- Describe and compare measurable attributes
- Classify objects and count the number of objects in each category

#### Geometry

- Identify and describe shapes
- Analyze, compare, create, and compose shapes

## Month-by-Month Pacing Overview

The topics listed for each month approximate when instruction in this area will occur.

MONTH	TOPIC
Aug	Introduction to the discourse-driven math classroom
Sep	Describe position Describe and compare length and height Sort and count objects
Oct	Count, show, and write numbers to 5 Compare numbers to 5 Understand 3-dimensional shapes Understand weight
Nov	Add within 5 Two-dimensional shapes
Dec	Subtract within 5 Add and subtract within 5
Jan	Count, show, and write numbers to 10 Compare numbers to 10 Compose shapes
Feb	Compose and decompose numbers to 10 Find number partners to make 10 Count, read, and write numbers to 20
Mar	Count within 100 Compose and decompose the number 6, 7, 8, 9
Apr	Add within 10 Subtract within 10 Add and subtract word problems within 10
May	Compose and decompose teen numbers Work with shapes