



## CCPS ELEMENTARY MATHEMATICS

### GRADE 1

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. Grade 1 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 four critical areas: (1) understanding addition, subtraction, and strategies for addition/subtraction within 20, (2) understanding whole number relationships and place value, including grouping in tens and ones, (3) understanding linear measurement and measuring lengths as iterating length units, and (4) reasoning about attributes of, and composing and decomposing geometric shapes.

#### Operations and Algebraic Thinking

- 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.

#### Number and Operations in Base Ten

- Extend the counting sequence
- Understand place value
- Use place value understanding and properties of operations to add and subtract

#### Measurement and Data

- Measure lengths indirectly and by iterating length units
- Tell and write time
- Represent and interpret data
- Coin identification and understanding the value of each coin

#### Geometry

- Understand how the attributes of shapes make them alike/different
- Recognize shapes from different perspectives and orientations

## 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	Recognize number partners for making ten Add and subtract within 10 Using counting strategies to add and subtract
Oct	Using addition to make subtraction easier Solving word problems within 10 Understanding teen numbers
Nov	Adding three numbers (i.e. $2+7+3$ ) Use the <i>Make a Ten</i> strategy to add Use the <i>Make a Ten</i> strategy to subtract
Dec	Using <i>Doubles</i> and <i>Near Doubles</i> to Add/Subtract Solve Word Problems within 20
Jan	Find the difference by comparing numbers Collect and compare data Determine if an equation is true or false
Feb	Understand the place values of tens and ones in a number Understand numbers to 120 Compare numbers within 120
Mar	Add and subtract tens Adding 2-digit numbers (without regrouping)
Apr	Adding 2-digit and 1-digit numbers (with regrouping of ones) Adding two 2-digit numbers (including regrouping) Name and describe shapes based on attributes
May	Breaking shapes into equal parts (halves, fourths, quarters) Telling time to the nearest hour and half hour Measuring and comparing lengths Know the names and values of U.S. coins