



CCPS ELEMENTARY MATHEMATICS

GRADE 2

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 2 mathematics instruction is organized into four broad categories as indicated by the *Maryland College and Career-Ready Standards* with much of the content instruction focusing on four critical areas: (1) extending understanding of base-ten notation, (2) building fluency with addition and subtraction, (3) using standard units of measure, and (4) describing and analyzing shapes.

Operations and Algebraic Thinking

- Represent and solve problems involving addition and subtraction
- Add and subtract within 20
- Work with equal groups of objects to gain foundations for multiplication

Number and Operations in Base Ten

- Understand place value
- Use place value understanding and properties of operations to add and subtract

Measurement and Data

- Measure and estimate lengths in standard units
- Relate addition and subtraction to length
- Work with time and money
- Represent and interpret data

Geometry

- Identify shape as triangles, quadrilaterals, pentagons, hexagons, cubes
- Partition rectangles and circles into halves, thirds, and fourths

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	Mental math strategies for addition and subtraction (i.e. <i>Doubles, Counting On, Counting Back, Make a Ten</i> , number line, number bonds, and more) Solve one-step word problems
Oct	Using bar graphs and picture graphs Solve word problems with 2-digit numbers Add 2-digit numbers using place value concepts Subtract two-digit numbers using place value concepts
Nov	Use addition and subtraction strategies Solve word problems with 2-digit numbers Solve word problems involving money
Dec	Tell and write time to the nearest 5-minutes Understand place value of 3-digit numbers Read and write 3-digit numbers
Jan	Compare 3-digit numbers Use mental strategies to add and subtract Add 3-digit numbers
Feb	Subtract 3-digit numbers Use addition and subtraction strategies with 3-digit numbers Add several 2-digit numbers using strategies
Mar	Measure in inches and centimeters Measure in feet and meters Understand measurement in different units Estimate and measure length
Apr	Compare lengths Add and subtract lengths Add and subtract using a number line Read and make line plots
May	Recognize and draw shapes Partition shapes into halves, thirds, and fourths Add using arrays Even and odd numbers