

GRADES K-2 OVERVIEW

The K-2 mathematics focuses on developing the foundations of mathematics. As the diagram illustrates below, K-2 students actively explore and investigate the meaning and relationships of numbers through Foundations of Counting; Operations with Numbers: Base Ten; Operations and Algebraic Thinking; Data Analysis; Measurement; and Geometry, which are identified as Alabama Content Areas. Students grow in mathematical understanding from year to year as they use the Student Mathematical Practices and attain the content standards. The K-2 standards establish the groundwork for future mathematical success.

The Alabama Content Areas shown below illustrate a progression designed to ensure that all students are equitably prepared to develop conceptual understanding of mathematics. The NAEP (National Assessment of Educational Progress) content areas reflect an emphasis on the importance of mathematical reasoning throughout the full spectrum of mathematical content. Alabama Content Areas explicitly define the framework needed for students to develop a comprehensive understanding of underlying mathematics concepts.

Overview of Alabama Mathematics Content Areas

NAEP Content Areas	Kindergarten	1	2	3	4	5	6	7	8	High School
Number Properties and Operations	Foundations of Counting									
	Operations with Numbers: Base Ten						Proportional Reasoning		Number	
				Operations with Numbers: Fractions			Number Systems and Operations			
Algebra	Operations and Algebraic Thinking						Algebra and Functions			
Data Analysis, Statistics, and Probability	Data Analysis						Data Analysis, Statistics, and Probability			
Measurement	Measurement						Geometry and Measurement			
Geometry	Geometry									