

# GRADES 3-5 OVERVIEW

The Grades 3-5 mathematics focuses on strengthening the foundations of mathematics, empowering students for middle school mathematics, and developing their understanding of mathematics in relation to everyday life. To ensure that all students receive the preparation they deserve, instruction will focus on building conceptual understanding of the mathematics needed for a lifetime. Students in Grades 3-5 will extend their learning through content areas of Operations with Numbers: Base Ten; Operations with Numbers: Fractions; Operations and Algebraic Thinking; Data Analysis; Measurement; and Geometry. In order to achieve the necessary focus on Grades 3-5 content, Student Mathematical Practices are integrated with instruction to foster habits of mind as students engage in critical areas for each grade level.

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
<b>Number Properties and Operations</b>	Foundations of Counting									
	Operations with Numbers: Base Ten						Proportional Reasoning		Number	
				Operations with Numbers: Fractions			Number Systems and Operations			
<b>Algebra</b>	Operations and Algebraic Thinking						Algebra and Functions			
<b>Data Analysis, Statistics, and Probability</b>	Data Analysis						Data Analysis, Statistics, and Probability			
<b>Measurement</b>	Measurement						Geometry and Measurement			
<b>Geometry</b>	Geometry									