

Alabama Course of Study, Grade 6, Correlated to *Mathematics: Applications and Concepts, Course 1*

Alabama Course of Study, Grade 6	Student Edition Lesson
Number and Operations	
1. Demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.	1-3, 3-1, 3-2, 3-5, 4-1a, 4-1, 4-2a, 4-2, 4-3, 4-4a, 4-4, 5-2, 5-5, 5-6, 5-7, 6-3, 6-4a, 6-4, 6-5, 6-6, 7-2a, 7-2, 7-3, 7-4a, 7-4, 7-5, 9-1, 10-5, 10-6
2. Solve problems involving decimals, percents, fractions, and proportions.	3-4, 3-5, 3-5b, 4-1, 4-2, 4-3, 4-4, 4-6b, 6-2, 6-3, 6-4, 6-5, 6-6, 7-1, 7-2, 7-3, 7-4, 7-5, 10-2, 10-2b, 10-3, 10-7, 10-8a
Algebra	
3. Solve problems using numeric and geometric patterns.	1-1, 3-5b, 7-6a, 9-6a, 9-6, 9-7
Geometry	
4. Identify two-dimensional and three-dimensional figures based on attributes, properties, and component parts.	13-4, 13-4b, 13-5, 14-4
5. Plot coordinates on grids, graphs, and maps.	8-6, 9-7
Measurement	
6. Classify angles as acute, obtuse, right, or straight.	13-1, 13-2
7. Solve problems involving perimeter and area of parallelograms and rectangles.	1-8, 4-1, 4-5, 5-4a, 11-4, 12-1a, 12-1b, 14-1, 14-3, 14-5a
8. Determine the distance between two points on a scale drawing or a map using proportional reasoning.	10-1, 10-3
9. Convert units of length, weight, or capacity within the same system (customary or metric).	12-1, 12-2, 12-3a, 12-5
Data Analysis and Probability	
10. Interpret information from bar graphs, line graphs, and circle graphs.	1-1, 1-7a, 2-2a, 2-2, 2-3, 2-4, 2-8, 4-4b, 5-4a, 6-1, 6-3, 6-6, 7-1, 8-5a, 10-1, 10-2, 10-5, 10-7, 11-3, 12-2, 13-1, 14-3, 14-3b
11. Find the probability of a simple event.	11-1, 11-1b, 11-2, 11-3, 11-4, 11-5

SAT 10 Objectives are addressed by the Alabama Course of Study Standards that are listed above.