Alabama Mathematics AAS

Grade 6 (AAS)

Proportional Reasoning	**1.** Demonstrate a simple ratio relationship using ratio notation given a real-world problem. M.AAS.6.1
Number Systems and Operations	**4.** Use models to divide fractions (limit to unit fractions). M.AAS.6.4
	5. Apply the concepts of dividing multidigit numbers without remainders to real-world problems. M.AAS.6.5
	6. Solve two-factor multiplication problems with products up to 100 (whole numbers only). M.AAS.6.6
	9. Describe quantities with positive and negative numbers (e.g., temperature, sea level, etc.). M.AAS.6.9
	11. Graph or identify ordered pairs in the first quadrant of the coordinate plane between 0 and 5, limited to whole numbers. M.AAS.6.11
Algebra and Functions	**14.** Match an algebraic expression with one variable to its real-world situation. M.AAS.6.14
	15. Evaluate algebraic expressions when given specific values for the variables (e.g. x + 2, where x = 4). M.AAS.6.15
	19. Match equations and inequalities to real-world situations. M.AAS.6.19
	21. Identify the independent and dependent variables among two quantities that change in relationship to one another in real-world situations (e.g. purchase total depends on number of items purchased). M.AAS.6.21
Data Analysis, Statistics, and Probability	**23.** Find the range and median (when given an odd number of data points) and mean (involving one- or two digit numbers) in real-world situations. M.AAS.6.23
	24. Interpret graphical representations of a data set (e.g., line plots, dot plots, bar graphs, stem and leaf plots, or line graphs). M.AAS.6.24
Geometry and Measurement	**25.** Graph squares, rectangles, and triangles in the first quadrant of the coordinate plane. M.AAS.6.25

27. **Calculate problems involving perimeter of squares, triangles, rectangles, and other polygons with sides up to 10 units and calculate problems involving the area of rectangles and squares with sides up to 10 units (whole numbers only).** M.AAS.6.27

28. **Solve real-world and mathematical problems involving the volume of cubes and rectangular prisms.** M.AAS.6.28