Alabama Mathematics AAS

Grade 5 (AAS)

Operations and Algebraic Thinking	**1.** Evaluate simple numerical expressions involving the four operations. M.AAS.5.1
	2. Given a rule, Identify and extend numerical patterns (e.g., given the rule "Add 3" and the starting number 0). M.AAS.5.2
Operations with Numbers: Base Ten	**3.** Compare base-10 models up to 99 and whole numbers up to 100 to determine symbol (<, >,=). M.AAS.5.3
	6. Model multiplication with two-digit whole numbers by one-digit whole numbers with regrouping using strategies such as arrays, decomposition, and manipulatives. M.AAS.5.6
	8. Add decimals to tenths using concrete models, drawings, and manipulatives without regrouping. M.AAS.5.8
Operations with Numbers: Fractions	**9.** Illustrate equivalent fractions using models of wholes, halves, thirds, and fourths to add fractions with like denominators. M.AAS.5.9
	11. Using vocalization, sign language, augmentative communication, or assistive technology, identify models of thirds (e.g., 1/3. 2/3, 3/3) and tenths (e.g., 1/10, 2/10, 3/10, 4/10, 5/10, 6/10, 7/10, 8/10, 9/10, 10/10). M.AAS.5.11
	12. Determine the product of unit fractions with unlike denominators (limited to denominators of 2, 3, 4, 10) using visual models. M.AAS.5.12
	14. Use a model to solve multiplying a whole number by a unit fraction of 1/2, 1/3, and 1/4. M.AAS.5.14
	15. Use a model to solve dividing a whole number by a unit fraction of 1/2. M.AAS.5.15
Data Analysis	**16.** Using vocalization, sign language, augmentative communication, or assistive technology, represent and interpret data on a picture, bar graph, or line plot when given a model or a graph. M.AAS.5.16

Measurement/ Geometry

17. **Using vocalization, sign language, augmentative communication, or assistive technology, to tell time using an analog or digital clock to the half or quarter hour.** M.AAS.5.17
    - a Use standard units to measure the weight and length of objects M.AAS.5.17A
    - b Sort a collection of coins according to their value. M.AAS.5.17A

18. **Using vocalization, sign language, augmentative communication, or assistive technology, identify cubes, cylinders, and spheres as three-dimensional shapes.** M.AAS.5.18

19 . **Determine the volume of a rectangular prism by counting units of measurement (e.g., unit cubes).** M.AAS.5.19

20 . **Identify a point on a horizontal number line representing the horizontal x-axis (no greater than 5) and identify a point on a vertical number line representing the y-axis (no greater than 5).** M.AAS.5.20