**Mathematics**

**Arkansas State Standards**

**K-8**

K.CC.B.5

Count to answer “how many?”

K.MD.A.1

Describe several measurable attributes of a single object, including but not limited to length, weight, height, and temperature

K.MD.A.2

Describe the difference when comparing two objects (side-by-side) with a measurable attribute in common, to see which object has more of or less of the common attribute

K.G.B.6

Compose two-dimensional shapes to form larger two-dimensional shapes

1.G.A.2

Compose two-dimensional shapes (e.g., rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (e.g., cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape

2.G.A.4

Recognize that equal shares of identical wholes need not have the same shape

2.OA.A.1

Use addition and subtraction within 100 to solve one-and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions

2.MD.A.1

Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes

2.MD.C.8

Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using $ and

¢ symbols appropriately

3.OA.C.7

Using computational fluency, multiply and divide within 100, using strategies such as the relationship between multiplication and division.

3.NF.A.1

Understand a *fraction* 1/*b* as the quantity formed by 1 part when a whole is partitioned into *b* equal parts

3.MD.A.2

Measure and estimate liquid volumes and masses of objects using standard units such as: grams (g), kilograms (kg), liters (l), gallons (gal), quarts (qt), pints (pt), and cups (c)

4.OA.A.3

Assess the reasonableness of answers using mental computation and estimation strategies including rounding

4.NBT.B.4

Add and subtract multi-digit numbers with computational fluency using a standard algorithm

4.G.A.1

Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines

5.NBT.B.7

Add and subtract decimals to hundredths using concrete models or drawings and strategies based on place value, properties of operations, and the relationship between addition and subtraction

6.RP.A.2

Understand the concept of a unit rate a/b associated with a ratio a:b with b ≠ 0, and use rate language in the context of a ratio relationship

For Example: “This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is ¾ cup of flour for each cup of sugar.” “We paid $75 for 15 hamburgers, which is a rate of $5 per hamburger.”

7.EE.B.3

Solve multi-step, real life, and mathematical problems posed with positive and negative rational numbers in any form using tools strategically

7.SP.A.1

Understand that statistics can be used to gain information about a population by examining a sample of the population

8.G.C.9

Develop and know the formulas for the volumes and surface areas of cones, cylinders, and spheres and use them to solve real-world problems