

## First Grade Math Outcomes and Indicators

### NUMBER AND OPERATION:

\_\_\_ **Reads writes and represents numbers to 120**

\_\_\_ **Solves addition problems**

(Use words, pictures, objects, length-based model and connecting cubes, numerals and number lines to model and solve addition problems)

(Compose numbers up to 12 with an emphasis on making 10)

\_\_\_ **Solves subtraction problems**

(Use words, pictures, objects, length-based model and connecting cubes, numerals and number lines to model and solve addition and subtraction problems in part-part-total, adding to, taking away from and comparing situations)

(Compose and decompose numbers up to 12 with an emphasis on making 10)

\_\_\_ **Compares and orders whole numbers up to 100**

\_\_\_ **Understands place value** (Uses place value to describe whole numbers between 10 and 100)

\_\_\_ **Finds a number that is 10 more or 10 less than a number**

\_\_\_ **Counts forward from any number up to 120**

\_\_\_ **Counts backwards from any number up to 120**

\_\_\_ **Creates and analyzes bar graphs and tally charts**

\_\_\_ **Skip Counts by 2s, 5s, and 10s**

### ALGEBRA:

\_\_\_ **Solves word problems**

(Represents real-world situations involving addition and subtraction facts, using objects and number sentences)

(Uses addition and subtraction basic facts to represent a given problem situation using a number sentence)

\_\_\_ **Creates and extends various patterns** (Creates simple patterns with objects, pictures, numbers and rules.

Identifies possible rules to complete or extend patterns (repeating, growing, and shrinking)

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\_\_\_ **Determines if equations involving addition and subtraction are true**

\_\_\_ **Identifies the missing number in an equation** (Uses number sense and models of addition and subtraction to identify the missing number in an equation)

### GEOMETRY AND MEASUREMENT:

\_\_\_ **Demonstrates knowledge of geometry**

(Describes characteristics of 2-D and 3-D shapes (such as circles, squares, rectangles, triangles, cubes, cones, spheres, rectangular prisms, and cylinders)

(Composes and decomposes 2-D and 3-D shapes (such as, circles, squares, rectangles, triangles, cubes, cones, spheres, rectangular prism, and cylinders)

\_\_\_ **Tells time to the hour and half hour**

\_\_\_ Tells time to the hour

\_\_\_ Tells time to the half-hour

\_\_\_ **Identifies coins (P, N, D,)**

\_\_\_ **Finds the value of a group of coins (P, N, D) up to \$1.00**

\_\_\_ **Measures the length of an object** (Measures the length of an object in terms of multiple copies of another object)