**Standards addressed by these problems: K.OA.2 –** *Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.***In this unit we will focus on the following problem situations: Add to-Result Unknown, Add to-Change Unknown, Take from- Result Unknown, Take from-Change Unknown, Put Together/Take Apart- Total Unknown, Put Together/Take Apart- Addend Unknown, and Put Together/Take Apart- Both Addends Unknown.**

*(NOTE: Any of these problems can be used as a pre/post test or ongoing assessment of students’ understanding.)*

* **Add to: Result Unknown**

Ex. Two bunnies sat on the grass. Three more bunnies hopped there. How many bunnies are on the grass now? 2 + 3 =

* **Add to: Change Unknown**

Ex. Two bunnies were sitting on the grass. Some more bunnies hopped there. Then there were five bunnies. How many bunnies hopped over to the first two? 2 + = 5

* **Take from: Result Unknown**

 Ex. Five apples were on the table. I ate two apples. How many apples are on the table now?

 5 – 2 =

* **Take from: Change Unknown**

Ex. Five apples were on the table. I ate some apples. Then there were three apples. How many apples did I eat? 5 - = 3

* **Put Together/Take Apart- Total Unknown**

Ex. Three red apples and two green apples are on the table. How many apples are there on the table? 3 + 2 =

* **Put Together/Take Apart- Addend Unknown**

 Ex. Five apples are on the table. Three are red, and the rest are green. How many apples are

 green? 3 + = 5, 5 – 3 =

* **Put Together/Take Apart- Both Addends Unknown**

Cheryl can only fit 5 apples in her basket. Some apples are red and some are green. How many

 different combinations of apples can Cheryl make in her basket?

 5 = 0 + 5, 5 = 5 + 0, 5 = 1 + 4, 5 = 4 + 1, 5 = 3 + 2, 5 = 2 + 3

***Here are some additional problem situation examples to try with your students. These examples use grade-level number sets. Below each problem situation you will see two number sets. You can either choose the number set you want your students to solve, let your students select their number sets, or have your students solve all of the number sets within the problem.***

**Add to- Result Unknown**

Triniti has \_\_\_\_ rings. Her sister, Cori, gives her \_\_\_ more rings. How many rings does Triniti have now?

(4, 4) (4, 5)

**Add to- Change Unknown**

Matthew has \_\_\_\_ toy dinosaurs. He bought some more toy dinosaurs at Wal-Mart. Now, Matthew has \_\_\_ toy dinosaurs. How many toy dinosaurs did Matthew buy at Wal-Mart?

(2, 4) (5, 10)

**Take from- Result Unknown**

Elliot had \_\_\_\_\_ tokens at Chuck-E-Cheese. He used \_\_\_\_\_ of his tokens to play games. How many tokens does Elliot have left?

(10, 2) (10, 3)

**Take from- Change Unknown**

Derek had \_\_\_\_ marbles. He lost some of his marbles at recess. Now, Derek has \_\_\_\_\_ marbles left. How many marbles did Derek lose at recess?

(8, 4) (8, 3)

**Put Together/Take Apart- Total Unknown**

There were \_\_\_\_ sugar cookies and \_\_\_\_ peanut butter cookies on a plate. How many cookies were there altogether?

(3, 3) (4, 3)

**Put Together/Take Apart- Addend Unknown**

In Miss Melody’s preschool class there were \_\_\_\_\_ kids in her classroom. \_\_\_\_ of the kids were three years old and the rest were four years old. How many of the kids in Miss Melody’s class were four years old?

(10, 6) (7, 5)