Math Topic 2 Study Guide – Number Sense: Addition and Subtraction

**Target: I can answer addition problems using the three properties of addition: Commutative (Order) Property, Associative (Grouping) Property, and Zero Property.**

1. What number sentence can be used to find how many stars in all?
2. What is the missing number in each of these number sentences?

5 + 6 = 6 + (2 + 4) + 5 = 2 + ( + 5) 6 + = 6

**Target: I can use subtraction to solve a problem and write a number sentence.**

1. Rebecca has 12 books. Kyle has 9 books. Write a number sentence to find how many more books Rebecca has than Kyle.
2. Maxwell invited 15 kids to his birthday party. 7 of the kids have already arrived. Write a number sentence to find how many kids have not arrived yet.
3. A baseball hat costs $12. Tina has a coupon for $4 off. How much money will Tina spend on the baseball hat? Write a number sentence to solve.

**Target: I can round numbers to the nearest ten.**

1. Round each number to the nearest ten:

58 \_\_\_\_\_\_ 24 \_\_\_\_\_\_ 93 \_\_\_\_\_\_ 75 \_\_\_\_\_\_ 37 \_\_\_\_\_\_

684 \_\_\_\_\_\_ 375 \_\_\_\_\_\_ 752 \_\_\_\_\_\_ 232 \_\_\_\_\_\_ 568 \_\_\_\_\_\_

**Target: I can round numbers to the nearest hundred.**

1. Round each number to the nearest hundred:

509 \_\_\_\_\_\_ 885 \_\_\_\_\_\_ 329 \_\_\_\_\_\_ 777 \_\_\_\_\_\_ 634 \_\_\_\_\_\_

684 \_\_\_\_\_\_ 375 \_\_\_\_\_\_ 752 \_\_\_\_\_\_ 232 \_\_\_\_\_\_ 568 \_\_\_\_\_\_

**Target: I can solve problems by estimating sums.**

1. Round to the nearest ten to estimate each sum:

42 + 78 = 37 + 58 = 43 + 141 =

1. The third grade students are saving box tops. Mrs. Balsamo’s class saved 246 box tops. Mrs. Dayeh’s class saved 322 box tops. Round to the nearest ten to estimate how many box tops the classes saved altogether.
2. Round to the nearest hundred to estimate each sum:

155 + 278 = 247 + 298 = 523 + 141 =

1. The school library has 482 fiction books and 529 non-fiction books. Round to the nearest hundred to estimate how many books the library has altogether.

**Target: I can solve problems by estimating differences.**

1. Round to the nearest ten to estimate each difference:

88 - 32 = 361 - 117 = 75 - 41 =

1. The Louviere family is taking a road trip. The trip is 482 miles long. So far, the family has traveled 138 miles. Round to the nearest ten to estimate how many miles are left to travel.
2. Round to the nearest hundred to estimate each difference:

704 - 369 = 321 - 112 = 255 - 189 =

1. Ms. Bolton’s class needs to raise $632 for their class trip. So far, they have raised $289. Round to the nearest hundred to estimate how much more money Ms. Bolton’s class needs to raise for their trip.

**Target: I can decide whether both sides of an equation are equal and find the value of an unknown number in an equation.**

1. Find the value for *n* that makes the equation true:

11 + *n* = 18 16 – *n* = 7 *n* – 4 = 6

1. Tracey has 8 fewer baseball cards than Paul. Paul has 15 baseball cards. How many baseball cards does Tracey have?

15 – 8 = *n*

**Target: I can solve word problems and decide whether the answer is reasonable.**

1. The Saints scored 42 points in last week’s game. This week, they scored 56 points. How many points did the Saints score in all in the two games? Check that your answer is reasonable.
2. Mary is reading a book that is 88 pages long. So far, she has read 34 pages. How many more pages does she have left to read? Check that your answer is reasonable.