**Review of Estimation Strategies**

**\*\*Please use this to do your homework and review before tomorrow’s quiz! You will be asked to use all 3 strategies just like on your homework!\*\***

1. **Estimate by Rounding – You round both numbers and then add to get your estimate. You round both numbers to the greatest place value of the small number.**

Example: Estimate the sum of 1,354 + 457.

You would round both numbers to the nearest hundred since the greatest place value of the smallest number is the hundreds place. 1,354 would get rounded to 1,400 and 457 would get rounded to 500. I would then add 1,400 + 500 and my estimation would be 1,900. This method usually gives you the most accurate estimation.

1. **Front End Estimation – This is where you add the values of the highest place value together.**

Example: Estimate the sum of 368 + 548

The highest place value of 368 is the hundreds place. The value in the hundreds place is 300. The highest place value of 548 is the hundreds place as well. The value in the hundreds place is 500. I would add 300 plus 500 and my estimate would be 800. This method does not give you as close of an estimate as the rounding strategy.

1. **Estimate by Clustering – This method is used best when adding numbers that are close in value. It is where you choose a number that all numbers are close to and then add that same number together.**

Example: Estimate the sum of 89 + 72.

I would choose a number in between 89 and 72. I would choose 80. I would then do 80 + 80 and get an estimate of 160.