INTEGERS

1. To Add Integers:

- If they have the same sign, we add their absolute value and keep the same sign

3 + 5 = 8 -3 + -5 = -8

- If they have different signs, we take the difference of their absolute value and keep the sign of the number with the larger absolute value

3 + -5 = -2 -3 + 5 = 2

2. To Subtract Integers:

- To do a subtraction problem between 2 integers, you must write an equivalent addition statement. To do this…..
  1. Change the operation symbol from a minus sign to a plus sign
  2. Change the second number to its additive inverse
  3. Follow the rules for adding integers

3 – 5 =	3 – (-5) =	-3 – 5 =	-3 – (-5) =
3 + (-5) = -2	3 + 5 = 8	-3 + (-5) = -8	-3 + 5 = 2

3. To Multiply/Divide Integers:

1. If you are multiplying or dividing 2 numbers with the same sign, the answer will be positive.

5 * 3 = 15 -5 * -3 = 15 6 ÷ 2 = 3 -6 ÷ -2 = 3

2. If you are multiplying or dividing 2 numbers with a different sign, the answer will be negative.

-5 * 3 = -15 5 * -3 = -15 6 ÷ -2 = -3 -6 ÷ 2 = -3