1. To Add Integers:
   - If they have the same sign, we add their absolute value and keep the same sign
     \[ 3 + 5 = 8 \quad -3 + -5 = -8 \]
   - 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
     \[ 3 + -5 = -2 \quad -3 + 5 = 2 \]

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
     \[
     \begin{align*}
     3 - 5 &= \quad 3 - (-5) = \\
     3 + (-5) &= \quad 3 + 5 = \\
     -2 &= \quad 8 \\
     \end{align*}
     \[
     \begin{align*}
     -3 - 5 &= \quad -3 + (-5) = \\
     -3 + 5 &= \quad -3 + 5 = \\
     -8 &= \quad 2 \\
     \end{align*}
     \]

3. To Multiply/Divide Integers:
   1. If you are multiplying or dividing 2 numbers with the same sign, the answer will be positive.
     \[
     \begin{align*}
     5 \times 3 &= 15 \quad -5 \times -3 &= 15 \\
     6 \div 2 &= 3 \quad -6 \div -2 &= 3 \\
     \end{align*}
     \]
   2. If you are multiplying or dividing 2 numbers with a different sign, the answer will be negative.
     \[
     \begin{align*}
     -5 \times 3 &= -15 \quad 5 \times -3 &= -15 \\
     6 \div -2 &= -3 \quad -6 \div 2 &= -3 \\
     \end{align*}
     \]