

**Hello!**

**Put your things down on the floor and take out a pencil.**

**Please complete the problems on the paper at a desk. Write your name and class period on the top of the paper in the lines provided before you begin and write your answers/solutions on the same 1/2 sheet of paper.**

**Thank you.**

**Please make sure you answer all of the questions.**



**How would you do the problem  $9 \times (-5)$ ?**

These are algebra tiles.



What do you notice about these tiles?

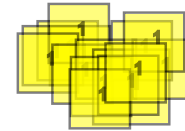
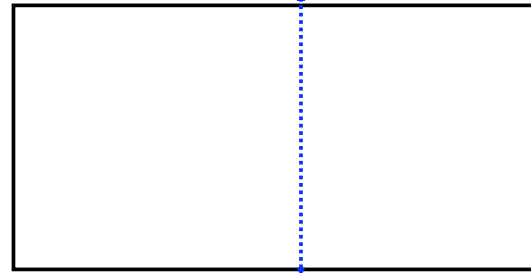
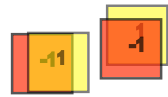
Below is a zero pair.  $-1 + 1$  is a zero pair with algebra tiles.

$$+ \begin{array}{|c|} \hline 1 \\ \hline \end{array} =$$

$$\bigcirc + \bigcirc =$$

$$\begin{array}{|c|} \hline -1 \\ \hline \end{array} + \begin{array}{|c|} \hline -1 \\ \hline \end{array} + \begin{array}{|c|} \hline -1 \\ \hline \end{array} + \begin{array}{|c|} \hline -1 \\ \hline \end{array} =$$

How much is this?



$-1 + 1 = 0$

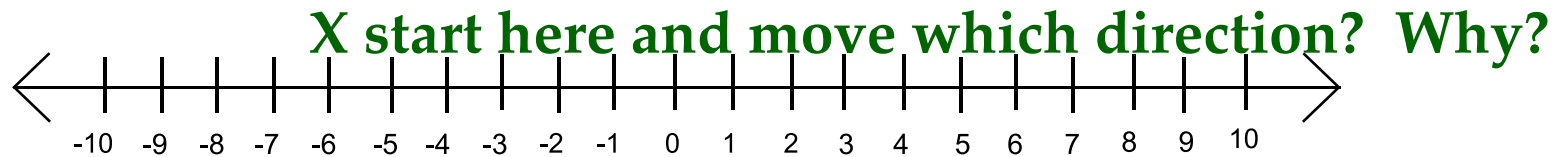
## Multiplication with integers


Remember that in pre algebra & algebra we use a dot or parenthesis for multiplication. (the x sign is a variable)

$$\begin{array}{lll} 1. -3 \cdot 4 = -12 & 2. -4(-4) = 16 & 3. (5)(5) = 25 \\ 4. 6(-4) = -24 & 5. -7 \cdot -3 = 21 & 6. 4 \cdot -5 = -20 \end{array}$$

**Model the following problem  
on the number line below.**

$$-6 - -5 =$$



**Are you reading the problem as  
"negative 6 and the opposite of negative 5"  
and rewriting it as  $-6 + 5 = ?$**