



September 2, 2014 5<sup>th</sup>  
6<sup>th</sup>  
Starter

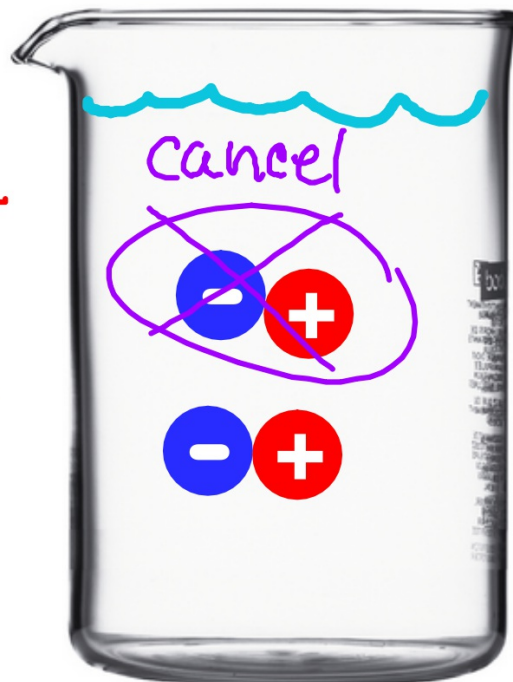
Clear off your desk  
except a sharpened pencil  
and be ready to go  
when the bell rings.

## 9/2 Adding Integers using Counters and Numberlines

### "Integer Counters"

 = one positive  
*one degree hotter*

 = one negative  
*one degree colder*



**1 ACTIVITY:** Adding Integers with the Same Sign

Work with a partner. Draw a picture to show how you use integer counters to find  $-4 + (-3)$ .

$$\begin{array}{cc} (-) & (-) \\ (-) & (-) \end{array} + \begin{array}{cc} (-) & (-) \\ (-) & \end{array} = \begin{array}{cccc} (-) & (-) & (-) & (-) \\ (-) & (-) & (-) & \end{array}$$

-7

**2 ACTIVITY:** Adding Integers with Different Signs

Work with a partner. Draw a picture to show how you use integer counters to find  $-3 + 2$ .

A hand-drawn diagram illustrating the addition of integers. On the left, there are three blue circles, each containing a minus sign (-). To the right of these is a plus sign (+). Next are two red circles, each containing a plus sign (+). To the right of these is an equals sign (=). This is followed by one blue circle containing a minus sign (-), and finally a vertical line (|).

A hand-drawn diagram showing a grid of integer counters. The grid consists of three rows and two columns. The top row has a blue circle with a minus sign (-) on the left and a red circle with a plus sign (+) on the right. The middle row has a blue circle with a minus sign (-) on the left and a red circle with a plus sign (+) on the right. The bottom row has a blue circle with a minus sign (-) on the left. Two horizontal lines are drawn across the top two rows, crossing through the circles. To the right of the grid is an equals sign (=) followed by a vertical line (|). To the right of this is another equals sign (=) followed by a vertical line (|).

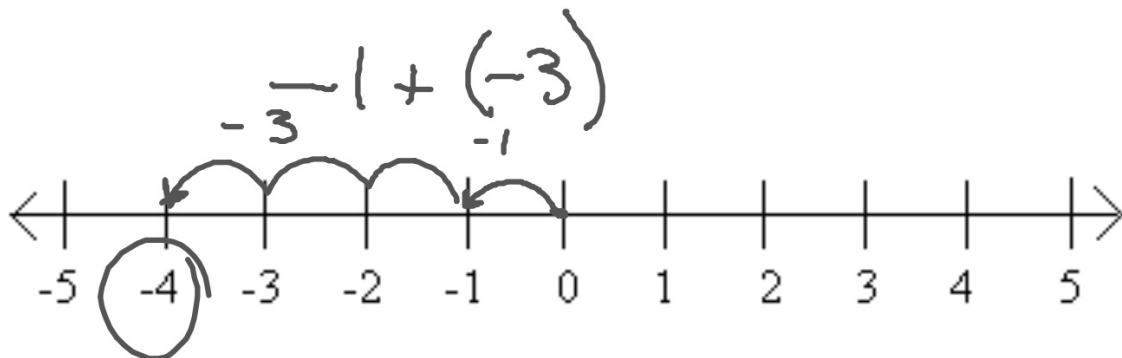
## Number lines



Positive = one to the right

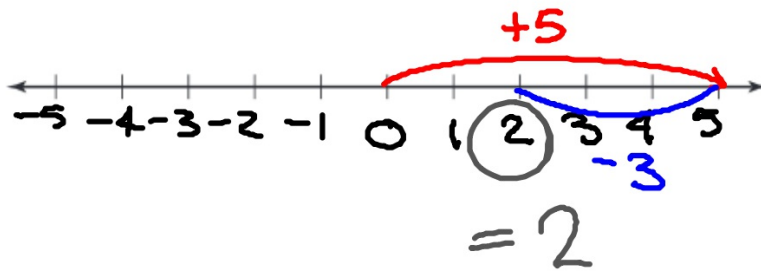


Negative = one to the left



**3** **ACTIVITY:** Adding Integers with Different Signs

Work with a partner. Show how to use a number line to find  $5 + (-3)$ .





# Homework

Gold WS3

Due Wednesday