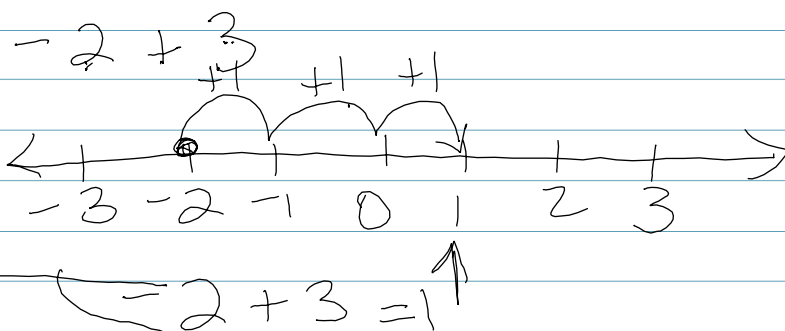
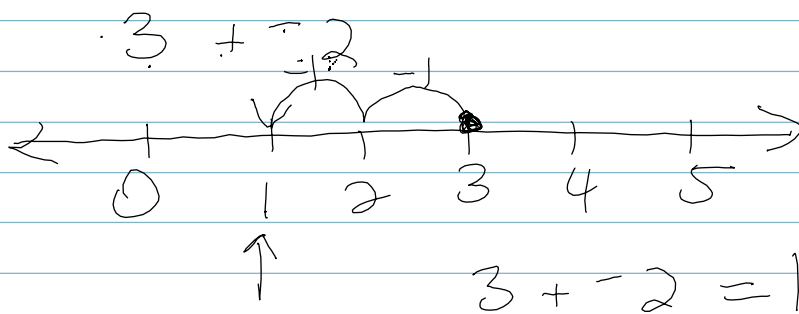


# Adding Integers w/ Different Signs

EQ: How do you add Integers with different signs.

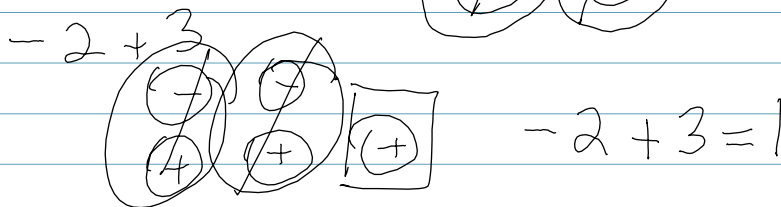
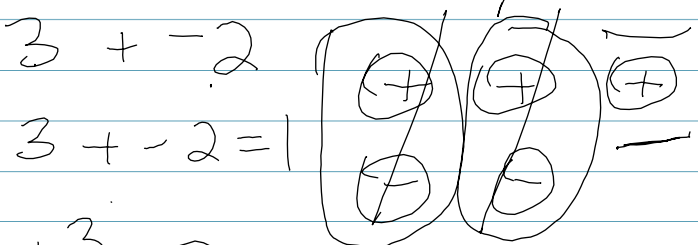
## Number Line

start 1<sup>st</sup> #, move ← neg, → Positive



## Chips

Zero Pair =  $(+) (-) = \emptyset$



Rules:



Which way do you move when adding a neg. #?

Why do you use a zero pair when adding?

## Different

Rules:

Subtract #'s, Keep sign larger

$$\begin{array}{r} \boxed{+} 5 + \boxed{-} 2 = \boxed{+} 3 \\ \uparrow \quad \uparrow \\ \cdot \quad \cdot \end{array}$$

$$\begin{array}{r} \boxed{-} 23 + \boxed{+} 10 = \boxed{-} 13 \\ \uparrow \quad \uparrow \\ \cdot \quad \cdot \end{array}$$

$$\begin{array}{r} \boxed{+} 25 + \boxed{-} 12 = \boxed{+} 13 \\ \uparrow \quad \uparrow \\ \cdot \quad \cdot \end{array}$$

What is  
the rule  
for  
adding w/  
different  
signs?

### Summary

1. move to the Right when adding a + #  
move to the left when adding a - #
2. Use a zero pair to help you find  
the answer. Because removing zero doesn't  
change the problem
3. subtract the #'s, keep the sign of the  
larger #.