

## Adding Integers

**Rules:**

Positive + Positive = Positive

Negative + Negative = Negative

Positive + Negative = Sign of the LARGER absolute value

**Same Signs:**

- Add the absolute values of the numbers and keep the same sign.

$$\begin{aligned} 5 + 5 &= y \\ |5| + |5| &= y \\ &= y \end{aligned}$$

$$\begin{aligned} -21 + -21 &= y \\ |-21| + |-21| &= y \longrightarrow 21 + 21 \\ &= y \end{aligned}$$

**Different Signs:**

- Subtract the lesser absolute value from the greater absolute value
- Keep the sign of the greater number

$$\begin{aligned} 9 + -12 &= y \\ |2| - |9| &= y \longrightarrow 9 \\ &= y \end{aligned}$$

$$\begin{aligned} -6 + 7 &= y \\ |7| - |6| &= y \longrightarrow 1 \\ &= y \end{aligned}$$

7 > 6 so  
the  
answer is

9 > 12  
so the  
answer is

**Integer Chips Model**

$$\begin{aligned} -4 + 3 &= y \\ &= y \end{aligned}$$

