

## Integer Rules

Add

**Same Sign**

Add and take  
the sign

$$\begin{aligned}(-3) + (-4) &= -7 \\ 3 + 7 &= 10\end{aligned}$$

**Different Sign**

Subtract and take  
the sign of largest  
absolute value

$$\begin{aligned}(-5) + 9 &= 4 \\ (-13) + 8 &= -5\end{aligned}$$

**Subtract**

Change to add the opposite

$$\begin{aligned}(-3) - (+4) &= (-3) + (-4) \\ (-5) - (-9) &= (-5) + (+9)\end{aligned}$$

**Multiply/Divide**

**Same Sign**

Positive answer

**Different Sign**

Negative answer