
November 1, 2011

No Warm-Up! :)

Get out ANYTHING that needs
to still be corrected...

11/1 - Solving one-step add/subtract equations with integers

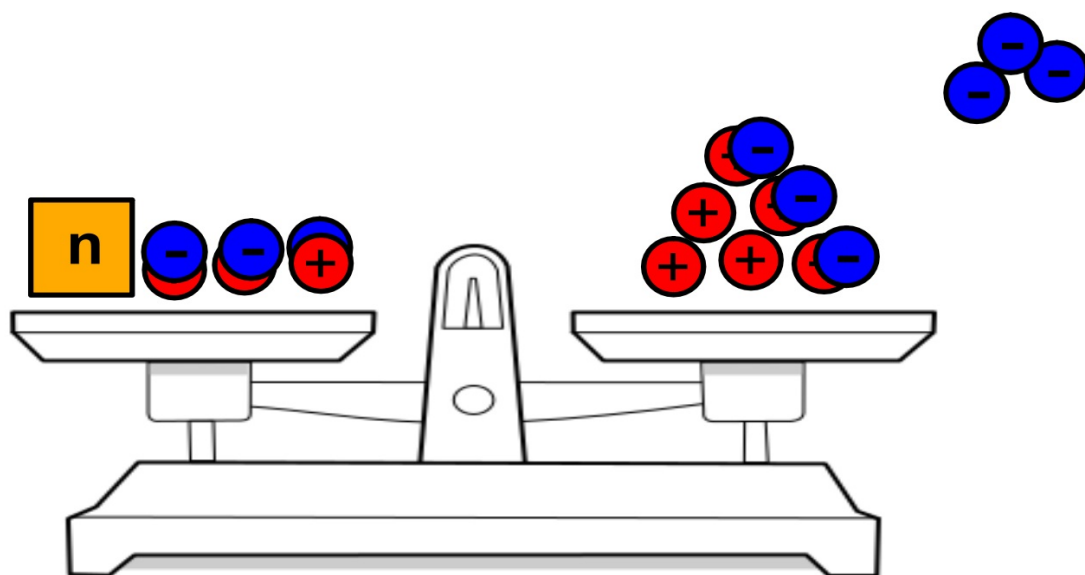
It's balanced when the 2 things weigh the same.



If you take something off of one side, you have to take the same off of the other.

If you put something on one side you have to put the same thing on the other.

Balanced means EQUAL



Try these...

$$\begin{array}{r} n - 5 = 9 \\ +5 \quad | \quad +5 \\ \hline n = 14 \end{array}$$

$$\begin{array}{r} 6 + k = 11 \\ -6 \quad | \quad -6 \\ \hline \square = 5 \end{array}$$

$$\begin{array}{r} 14 = x - 7 \\ +7 \quad | \quad +7 \\ \hline 21 = x \end{array} \quad \square =$$

$$\begin{array}{r} -8 = y + 8 \\ -8 \quad | \quad -8 \\ \hline -16 = y \end{array}$$

4 things you can do that don't change the balance:

1. Add the same # to both sides

2. Subtract the same # from both sides

3. Exchange sides

4. Change the signs of both sides

$$\begin{array}{r} m + (-4) = -9 \\ +4 \quad | \quad +4 \\ \hline m = -5 \end{array}$$

$$\begin{array}{r} -7 - h = 11 \\ +7 \quad | \quad +7 \\ \hline -h = 18 \\ h = -18 \end{array}$$

$$\begin{array}{r} 23 = v + (-40) \\ -40 \quad | \quad -40 \\ \hline -17 = v \end{array}$$

$$-10 - n = 12$$

$$+10 \qquad +10$$

$$-n = 22$$

$$n = -22$$

Homework:

Worksheet WSI
1-30 all

due tomorrow