

December 1, 2014

Starter

5th

6th

Simplify completely.

① $-3 + x - 5 - 4x$

② $-3(2 - 4n)$ ③ $5 + 2(-3 - k)$

Factor out the common factor.

④ $12y - 18$

⑤ $30 - 25v$

ftacelow

12/1 Solving one-step add/subtract equations with integers and decimals

Keep it =!

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

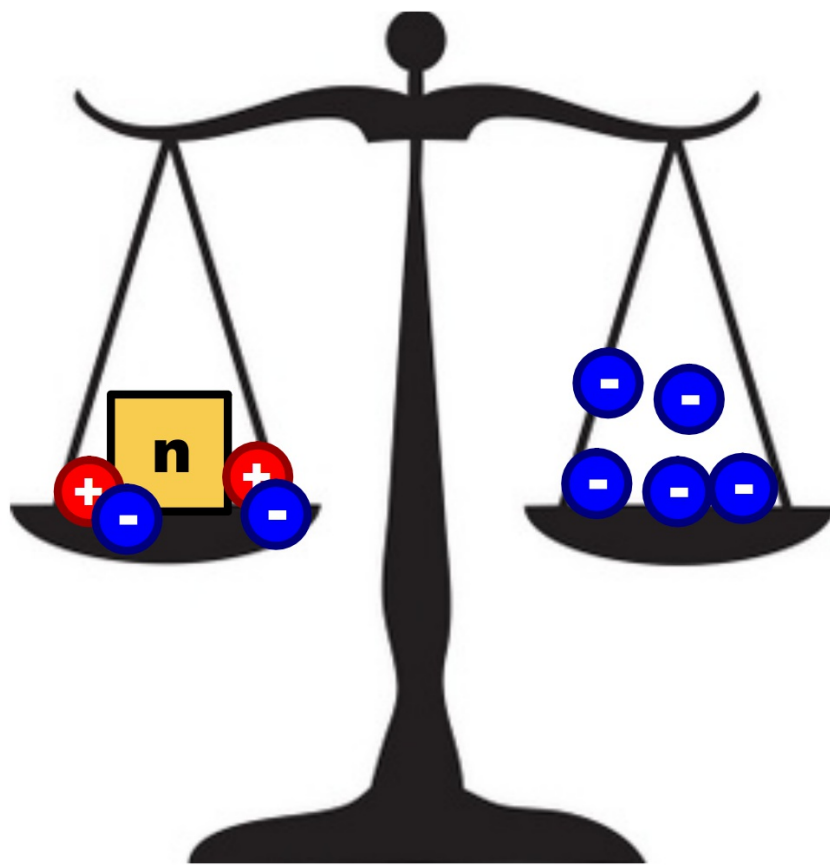
Balance Scale

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...

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

You want to get the variable alone!

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

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

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

Now with decimals...

$$\begin{array}{r} \textcircled{x} + 17.9 = 4.8 \\ -17.9 \\ \hline x = -13.1 \end{array}$$

$$\begin{array}{r} -10.8 + \textcircled{w} = -24.4 \\ +10.8 \\ \hline w = -13.6 \end{array}$$

$$\begin{array}{r} -7.7 = -9.5 + \textcircled{m} \\ +9.5 \\ \hline 1.8 = m \end{array}$$

$$\begin{array}{r} \textcircled{y} + 8.6 = -4.2 \\ -8.6 \\ \hline y = -12.8 \end{array}$$

Homework

Pink WS1

Due Tuesday