

December 2, 2014 5th
6th
Starter

12/2 More solving one-step add/subtract equations



It's balanced when ____.
The weights are =.

EQUAL means ____.
Balance
Both sides are the same.

Review:

$$\begin{array}{r} \textcircled{n} + 4.6 = 10.9 \\ - \cancel{4.6} \quad - 4.6 \\ \hline n = 6.3 \end{array}$$

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

1. Add the same number to both sides
2. Subtract the same number from both sides
3. Switch sides
4. Change the sign of both sides

Combine 2 signs into 1

$$m + (-4) = -9$$

$$\begin{array}{r} m - 4 = -9 \\ +4 \quad +4 \end{array}$$

$$m = -5$$

$$23 = v - (-40)$$

$$\begin{array}{r} 23 = v + 40 \\ -40 \quad -40 \end{array}$$

$$-17 = v$$

$$v = -17$$

$$-7 - h = 11$$

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

$$-h = 18$$

$$h = -18$$

Now with decimals...

$$\begin{array}{r} n + (-10.1) = -4.4 \\ n - 10.1 = -4.4 \\ + 10.1 \quad + 10.1 \\ \hline n = 5.7 \end{array}$$

$$\begin{array}{r} -4.1 = k - (-3.7) \\ -4.1 = k + 3.7 \\ -3.7 \quad -3.7 \\ \hline -7.8 = k \end{array}$$

$$\begin{array}{r} 8 - v = 6.7 \\ -8 \quad -8 \\ \hline -v = -1.3 \\ v = 1.3 \end{array}$$

Homework

Melon WS2

Due Wednesday