

December 2, 2014^{4th}

Starter

Compute each.

① $-15 - (-30)$ ② $-15.6 + 29$

③ $42.6 + (-50.1)$ ④ $-17 - 38.6$

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



Review:

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

It's balanced when _____.

- everything is equal
- the #'s are the same
- same weight on both sides
- you do the same thing to both sides.
- the 2 sides are =.

EQUAL means _____.

- balanced
- same amount

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*

$$\begin{array}{r} m + (-4) = -9 \\ \textcircled{m} - 4 = -9 \\ +4 \quad | \quad +4 \\ m = -5 \end{array} \quad \begin{array}{r} 23 = v - (-40) \\ 23 = \textcircled{v} + 40 \\ -40 \quad | \quad -40 \\ -17 = v \end{array}$$

$$\begin{array}{r} -7 - \textcircled{h} = 11 \\ \cancel{+7} \downarrow \quad +7 \\ -h = 18 \\ h = -18 \end{array}$$

Now with decimals...

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

$$\begin{array}{r} -8 - \textcircled{v} = 6.7 \\ -v = 14.7 \\ \quad + 14.7 \\ \hline v = -14.7 \end{array}$$

Homework

Melon WS2

Due Wednesday