

DECEMBER 15, 2014 5TH 6TH

STARTER

Solve each for the given variable.

1. $2n + 3 = 9$

$$\begin{array}{r} -3 \quad | \quad -3 \\ \hline 2n = 6 \\ \hline \end{array}$$

$$n = 3$$

2. $-16 = 8 + 2h$

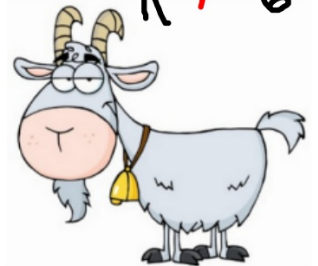
$$\begin{array}{r} -8 \quad | \quad -8 \\ \hline -24 = 2h \\ \hline \end{array}$$

$$-12 = h$$

3. $13 - 5k = 43$

$$\begin{array}{r} -13 \quad | \quad -13 \\ \hline -5k = 30 \\ \hline \end{array}$$

$$k = -6$$



WINTERFLAKES

12/15 Solving 2-step equations with add/subtract and divide

From before...

When there are 2 operations,

save the one connected to the variable for last.

or, in other words,...

get rid of the "extras" first!

Connected to x

$$\begin{array}{l} \downarrow \\ \frac{x}{3} - 4 = 9 \\ \quad \downarrow \quad \downarrow \\ \quad \quad \text{Do this one} \\ \quad \quad \text{first} \\ \quad \quad \text{+4} \quad \text{+4} \\ \text{3. } \frac{x}{3} = 13 \cdot 3 \\ \quad \quad \downarrow \\ \quad \quad x = 39 \end{array}$$

Which is first?

$$\begin{array}{l} 10 = -2 + \frac{n}{5} \\ \quad +2 \quad +2 \\ \text{5. } 12 = \frac{n}{5} \cdot 5 \\ \quad \quad \downarrow \\ \quad \quad 60 = n \end{array}$$

TRY THESE...

$$\begin{array}{r} \frac{a}{-2} + 5 = -3 \\ \phantom{\frac{a}{-2}} - 5 \quad -5 \\ \hline -2 \cdot \frac{a}{-2} = -8 \cdot -2 \\ a = 16 \end{array}$$

$$\begin{array}{r} 15 = \frac{u}{6} - 7 \\ +7 \quad \quad \quad \cancel{+7} \\ \hline 6 \cdot 22 = \frac{u}{\cancel{6}} \quad \cancel{6} \\ 132 = u \end{array}$$

AND THESE...

$$\frac{\cancel{6}}{-6} + \frac{c}{4} = -9$$

$$\frac{\cancel{4}}{-1} \cdot \frac{c}{\cancel{4}} = -15 \cdot 4$$

$$c = -60$$

$$\begin{array}{l} -8 = -10 + \frac{m}{-3} \\ +10 \quad +10 \\ \hline -3 \cdot 2 = \frac{3}{3} \cdot \cancel{-2} \\ -6 = 3 \end{array}$$

HOMESCHOOL

Pink WS 7

DUE Tuesday