

DECEMBER 15, 2014 5TH 6TH STARTER

Solve each for the given variable.

1. $2n + 3 = 9$

2. $-16 = 8 + 2h$

3. $13 - 5k = 43$



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

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

Which is first?

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

TRY THESE...

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

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

$$132 = u$$

$$\begin{array}{r} 22 \\ \times 6 \\ \hline 132 \end{array}$$

AND THESE...

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

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

$$C = -60$$

$$\begin{array}{r} -8 = -10 + \frac{m}{-3} \\ +10 \quad +\cancel{10} \end{array}$$

$$-3 \cdot 2 = \frac{m}{\cancel{-3}} \cdot \cancel{-3}$$

$$-6 = m$$

HOMESCHOOL

Pink WST

DUE Tuesday