

DECEMBER 15, 2014^{4TH}

STARTER

Solve each for the given variable.

1. $2n + 3 = 9$

work

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

$$n = 3$$

2. $-16 = 8 + 2h$

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

$$-12 = h$$

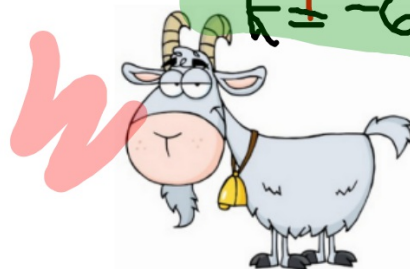
w

3. $13 - 5k = 43$

w

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

$$k = -6$$



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



Do this one
first



$$\frac{x}{3} - 4 = 9$$

Which is first?

$$10 = -2 + \frac{n}{5}$$

TRY THESE...

$$\begin{aligned} \frac{a}{-2} + 5 &= -3 \\ -5 & \quad -5 \\ \frac{a}{-2} &= -8 \quad -2 \\ a &= 16 \end{aligned}$$

$$\begin{aligned} 15 &= \frac{11}{6} - 7 \\ +7 & \quad +7 \\ 22 &= \frac{11}{6} \\ 132 &= 11 \end{aligned}$$

$$\frac{132}{12} = 11$$

AND THESE...

$$\begin{aligned} \cancel{6} + \frac{c}{4} &= -9 \\ -\cancel{6} \quad \quad \quad -6 & \\ \cancel{4} \cdot \frac{c}{4} &= -15 \cdot 4 \\ c &= -60 \end{aligned}$$

$$\begin{aligned} -8 &= -10 + \frac{m}{-3} \\ +10 \quad \quad \quad +10 & \\ -3 \cdot 2 &= \frac{m}{-3} \cdot \cancel{-3} \\ -6 &= m \end{aligned}$$

HOMESCHOOL

Pink WS 7

DUE Tuesday