

November 14, 2011

Warm-Up:

$$2x - 5 = -17$$

$$-10 = -5 + 4n$$

$$-20 = 7 - 3n$$

Get out your homework...pink WS9

# 11/15 - Solving 2-Step Equations with Divide

From yesterday...

When there are 2 operations,  
save the one connected to the variable for last.

Connected to x

↓ Do this one first

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

+4 +4

$$3 \cdot \frac{x}{3} = 13 \cdot 3$$
$$x = 39$$

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

+2 +2

$$5 \cdot 12 = \frac{n}{5} \cdot 5$$
$$60 = n$$

**TRY THESE...**

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

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

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

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

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Homework

Worksheet

due

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