

November 8, 2011

Warm-Up:

$$\begin{array}{l} \cancel{-5k} = \cancel{45} \\ \cancel{-5} \mid \cancel{-5} \\ k = -9 \end{array}$$

$$\begin{array}{l} 7 \cdot \frac{x}{7} = -4 \cdot 7 \\ 7 \mid -28 \\ x = -28 \end{array}$$

$$\begin{array}{l} \cancel{-30} = \cancel{-6n} \\ \cancel{-6} \mid \cancel{-6} \\ 5 = 5 \end{array}$$

Get out your homework...

Green Worksheet #4

$$10) \begin{array}{l} \cancel{5} \cdot \cancel{6} = -4 \cdot 5 \\ 5 = -20 \end{array}$$

15)

$$\begin{array}{l} 0 = \frac{3}{3}p \\ 0 = p \end{array}$$

$$5) \begin{array}{l} 9 \cdot 4 = \cancel{9} \cdot \cancel{9} \\ 36 = n \end{array}$$

11)

$$\begin{array}{l} \cancel{-2}v = -6 \\ \cancel{-2} = -2 \\ v = 3 \end{array}$$

11/8 - Solving One-Step Equations with Decimals/Fractions

Remember:

1. find the center
2. find the variable
3. get the variable by itself
4. make the variable positive

Multiply by the reciprocal of the fraction in front of the variable.

What is the opposite operation for each:

$$n + 5$$

$$n - 5$$

$$n + (-5)$$

$$n - (+5)$$

$$-5$$

$$+5$$

$$+5$$

$$-5$$

$$\frac{2}{1} \cdot \frac{1}{2} n = 6 \cdot \frac{2}{1}$$

$$n = 12$$

$$\frac{5n}{5}$$

$$\frac{n}{5} \cdot 5$$

$$\frac{2}{3} n = 6$$

$$n = 9$$

$$-1 \frac{1}{4} n = 6$$

$$-\frac{4}{5} \cdot \frac{5}{4} n = 6 \cdot \frac{5}{4}$$

$$n = ?$$

Now with fractions...

$$\frac{3}{5} \cdot \frac{2}{5} k = \frac{-4}{5} \cdot \frac{5}{3}$$
$$k = -\frac{4}{3}$$
$$k = -1\frac{1}{3}$$

$$-1\frac{3}{4}n = 2\frac{1}{6}$$
$$-\frac{4}{2} \cdot \frac{-7}{4} n = \frac{13}{3} \cdot \frac{1}{2}$$
$$n = -\frac{26}{21}$$
$$n = -1\frac{5}{21}$$

2) $\frac{26}{3}$

$$\frac{-4a}{-4} = \frac{7}{-4}$$
$$a = -\frac{7}{4}$$

$$\frac{c}{3} = \frac{1}{4} \cdot \frac{3}{1}$$
$$c = \frac{3}{4}$$

Try these...

$$\frac{-2.7}{3} = \frac{3k}{3}$$

$$-0.9 = k$$

$$\begin{array}{r} .9 \\ 3 \overline{) 2.7} \\ \underline{27} \\ 0 \end{array}$$

$$\frac{0.5N}{0.5} = \frac{4}{0.5}$$

$$N = 8$$

$$0.5 \overline{) 4.0}$$

$$\cancel{(-1.2)} \frac{x}{\cancel{-1.2}} = 1.1 \quad (-1.2)$$

$$x = -1.32$$

$$\begin{array}{r} 1.2 \\ 1.1 \\ \hline 12 \\ \hline 132 \end{array}$$

$$(0.9) - 2.5 = \frac{r}{0.9} \quad (0.9)$$

$$-2.25 = r$$

$$\begin{array}{r} -2.5 \\ 0.9 \\ \hline 225 \end{array}$$

Homework:

Test
on
Thursday

Green Worksheet ~~5~~ 5

due Wednesday