

November 7, 2011

Warm-Up

$$\begin{array}{r} 1. \quad -10 = 8 - r - 4 \\ -10 = 4 - r \\ -4 = -4 \\ -14 = -r \\ 14 = r \end{array}$$

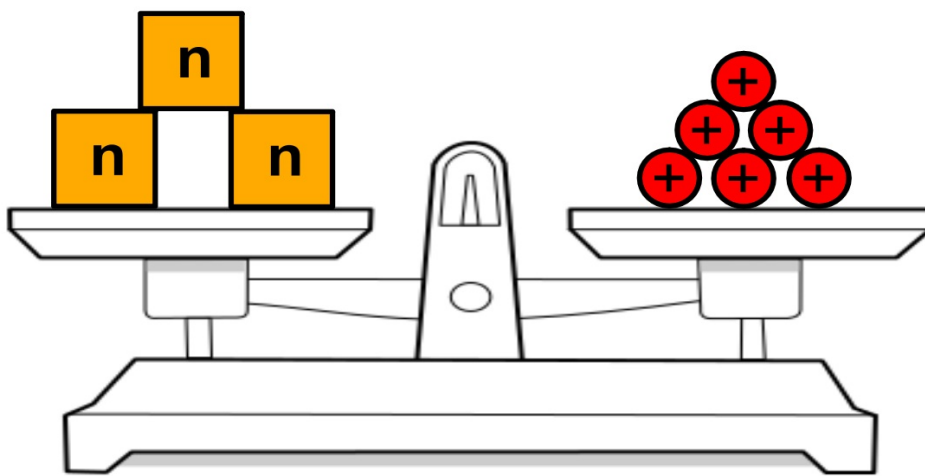
$$\begin{array}{r} 2. \quad -5.95 = x + (+9.5) \\ -9.5 \quad -9.5 \\ -15.45 = x \end{array}$$

$$\begin{array}{r} 3. \quad -4\frac{3}{8} + n = -2\frac{5}{6} \\ +4\frac{3}{8} \quad +4\frac{3}{8} \\ \frac{13}{24} \\ \frac{13}{24} \\ \hline 5 \\ \hline \frac{13}{24} \end{array}$$

Get out your homework
Buff worksheet WS3

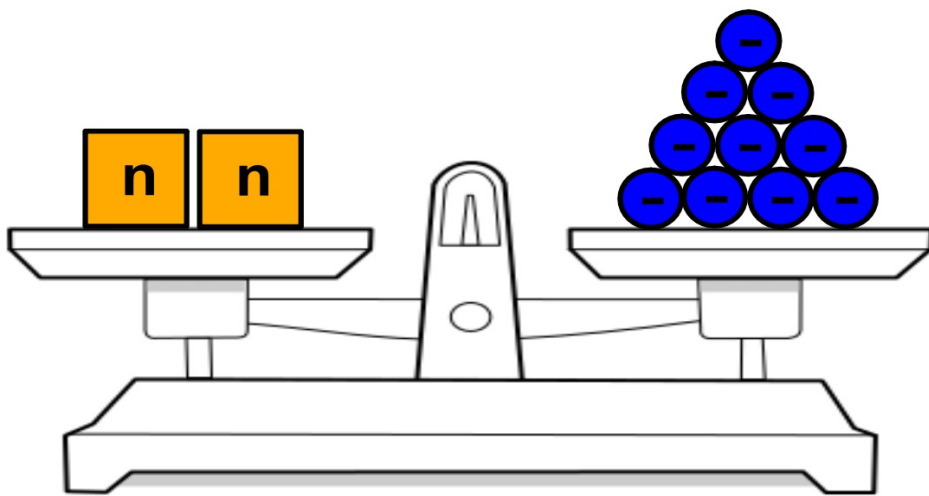
$$24) \begin{array}{l} \overset{0}{+}x \frac{1}{2} \frac{6}{4} \\ -\frac{3}{4} = m + \left(-\frac{1}{2} \right) \\ \frac{3}{4} = m + \frac{1}{2} \end{array}$$

11/7 - Solving One-Step Multiply/Divide Equations with Integers/~~Decimals~~



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

$$n = 2$$



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

$$n = -5$$

try these...

$$\frac{36}{6} = \frac{6x}{6}$$
$$6 = x$$

$$\frac{-72}{-8} = \frac{-8m}{-8}$$
$$9 = m$$

$$\frac{12c}{12} = \frac{-156}{12}$$

$$\begin{array}{r} 12 \overline{) 156} \\ \underline{12} \\ 36 \\ \underline{-36} \\ 0 \end{array}$$

$$c = -13$$

$$\frac{-161}{-7} = \frac{-7w}{-7}$$

$$\begin{array}{r} 7 \overline{) 161} \\ \underline{14} \\ 21 \\ \underline{-21} \\ 0 \end{array}$$

$$23 = w$$

try these...

$$-7 \cdot -9 = \frac{w}{\cancel{-7}} \cdot \frac{\cancel{7}}{1}$$
$$63 = w$$

$$\cancel{4} \cdot \frac{-x}{\cancel{4}} = 3 \cdot 4$$
$$-x = 12$$
$$x = -12$$

$$\cancel{12} \cdot \frac{u}{\cancel{-12}} = 45 \cdot -12$$
$$u = -540$$

$\frac{540}{12} = 45$

$$23 \cdot -67 = \frac{-n}{23} \cdot 23$$
$$-1541 = -n$$
$$1541 = n$$

$\frac{1541}{23} = 67$

Steps to solve one-step equations:

1. Find the center
2. Find the variable
3. Get rid of the number with the variable
(do the opposite operation to both sides)
4. If the variable is negative, change the signs of both sides.

The opposite of multiply is divide.
divide is multiply.

Homework:

Buff worksheet WS4

due
