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November 2, 2011

**No Warm-Up! :)**

Short day because of the assembly  
(btw, be sure it's in your planner!)

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## 11/2 - Solving one-step add/subtract equations with rational numbers



### Do any of the following:

1. Add the same number to both sides
2. Subtract the same number from both sides
3. Exchange sides
4. Change the signs of both sides.

$$\begin{array}{r} n + 4.6 = 10.9 \\ -4.6 \quad | \quad -4.6 \\ \hline n = 6.3 \end{array}$$

$$\begin{array}{r} k - 13.75 = 20.90 \\ +13.75 \quad | \quad +13.75 \\ \hline k = 34.65 \end{array}$$

### Try these...

$$\begin{array}{r} -10.8 + w = -24.4 \\ +10.8 \quad \quad +10.8 \\ \hline w = -13.6 \end{array}$$

$$\begin{array}{r} 18.7 = r - 12.9 \\ +12.9 \quad \quad +12.9 \\ \hline 31.6 = r \end{array}$$

$$\begin{array}{r} x + 17.9 = 4.8 \\ -17.9 \quad \quad -17.9 \\ \hline x = -13.1 \end{array}$$

$$\begin{array}{r} -7.7 = -9.5 + m \\ +9.5 \quad \quad +9.5 \\ \hline 1.8 = m \end{array}$$

Now try it with fractions!

$$\begin{array}{r} \frac{1}{4} + x = -2\frac{5}{6} \\ -\frac{1}{4} \quad -\frac{1}{4} \\ \hline x = -2\frac{13}{12} \\ \quad \quad \quad 1\frac{1}{2} \\ \hline x = -3\frac{1}{12} \end{array}$$

$$\begin{array}{r} b + (-2\frac{1}{2}) = -3\frac{3}{8} \\ +2\frac{1}{2} \quad +2\frac{1}{2} \\ \hline b = -1\frac{1}{8} \end{array}$$

$$\begin{array}{r} 1\frac{2}{9} = \frac{-1}{3} - x \\ +\frac{1}{9} \quad +\frac{1}{9} \\ \hline = -x \\ \hline = x \end{array}$$

$$\begin{array}{r} -1\frac{1}{4} - n = -3\frac{1}{3} \\ +1\frac{1}{4} \quad +1\frac{1}{4} \\ \hline -n = -2\frac{1}{12} \\ \hline n = 2\frac{1}{12} \end{array}$$

# Homework:

Green Worksheet WS2

#1-20 all

Due Thursday