
November 2, 2011

No Warm-Up! :)

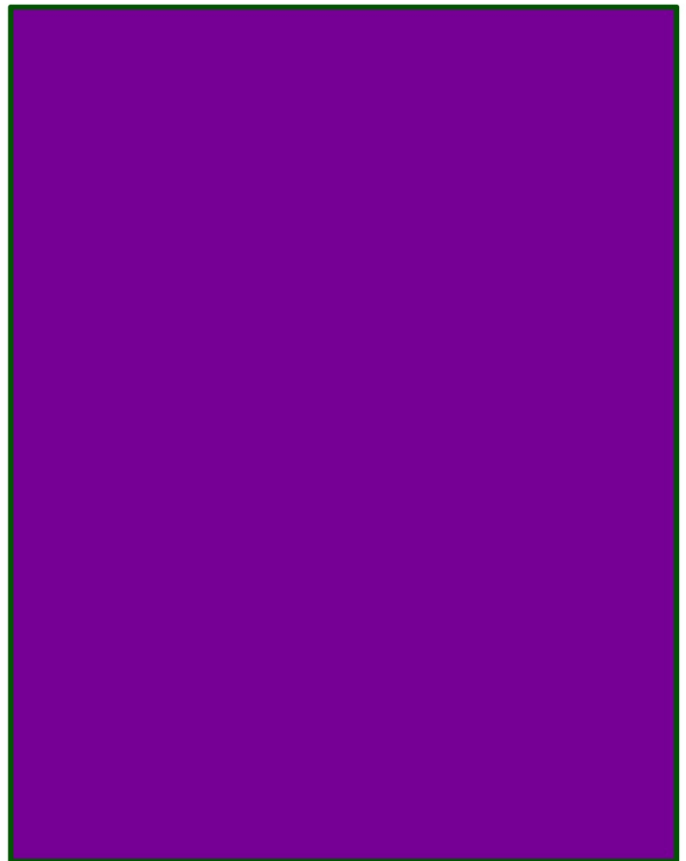
Short day because of the assembly
(btw, be sure it's in your planner!)

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.



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!

$$\begin{array}{r}
 r + \left(-2\frac{1}{3}\right) = \frac{-1}{4} \frac{3}{12} \\
 + 2\frac{1}{3} \quad \frac{2\frac{1}{3}}{\frac{4}{12}} \\
 \hline
 r = 2\frac{1}{12}
 \end{array}$$

$$\begin{array}{r}
 n + \left(+\frac{5}{2}\right) = 1\frac{2}{5} \frac{0\frac{4}{5}}{\frac{0\frac{4}{5}}{5}} \\
 - 2\frac{1}{2} \\
 \hline
 n = -1\frac{1}{10}
 \end{array}$$

$$\begin{array}{r}
 -1\frac{3}{5} = -2\frac{3}{4} + v \\
 + 2\frac{3}{4} \\
 \hline
 v = 1\frac{1}{20}
 \end{array}$$

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

$$\begin{array}{r}
 +3\frac{1}{3} \frac{20}{15} \\
 -1\frac{2}{5} \frac{6}{15} = -3\frac{1}{3} - y \\
 \phantom{-1\frac{2}{5} \frac{6}{15} =} +3\frac{1}{3} \\
 \phantom{-1\frac{2}{5} \frac{6}{15} =} -y \\
 -1\frac{14}{15} = y
 \end{array}$$

Homework:

Tan Worksheet ws2

Due Friday?
