

October 21, 2014

5th

6th



Be ready to take
2.2 Mastery Assessment
when the bell rings!

10/21 Subtracting Rational Numbers - Mixed Numbers

$$4\frac{5}{6} - 2\frac{3}{5}$$

$$\begin{array}{r} 4\frac{5}{6} \quad \frac{25}{30} \\ - 2\frac{3}{5} \quad \frac{18}{30} \\ \hline 2\frac{7}{30} \end{array}$$

$$\left(-3\frac{1}{2}\right) + \left(+2\frac{3}{8}\right)$$

$$\begin{array}{r} -3\frac{1}{2} \quad \frac{4}{8} \\ + 2\frac{3}{8} \quad \frac{3}{8} \\ \hline -1\frac{1}{8} \end{array}$$

Write the problem VERTICALLY with the **LARGEST number** on the TOP

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

$$\begin{array}{r} 2\frac{1}{3} + 4\frac{3}{5} \\ -4\frac{3}{5} - \frac{9}{15} \\ +2\frac{1}{3} + \frac{5}{15} \\ \hline -2\frac{4}{15} \end{array}$$



At your party, there are 5 pieces of pizza left but 7 friends show up.

What do you do?

Pull one out of the freezer and cut it into pieces to make the size of the pieces that were eaten

This is the same situation written as a math problem.

$$\begin{array}{r} 3 \\ \cancel{4} \cancel{5}^{13} \\ \hline 3 \frac{5}{8} \end{array}$$

$$\left(-2\frac{2}{5}\right) + 1\frac{5}{8}$$

$$\begin{array}{r} -\cancel{2}^1 \frac{2}{5} \cdot \frac{8}{8} \quad \frac{56}{40} \\ + \quad 1 \frac{5}{8} \quad \frac{25}{40} \\ \hline - \quad \frac{31}{40} \end{array}$$

$$\left(-2\frac{1}{2}\right) + \left(+3\frac{1}{4}\right)$$

$$\begin{array}{r} + \quad \cancel{2}^2 \frac{1}{2} \cdot \frac{2}{2} \quad \frac{5}{4} \\ - \quad 2 \frac{1}{2} \quad \frac{2}{4} \\ \hline \quad \quad \quad \frac{3}{4} \end{array}$$

$$\begin{array}{r}
 2\frac{3}{5} + 4\frac{1}{6} \\
 - \overset{-3}{\cancel{4}}\frac{1}{6} \quad \overset{35}{\cancel{8}}\frac{1}{30} \\
 + 2\frac{3}{5} \quad \frac{18}{30} \\
 \hline
 -1\frac{17}{30}
 \end{array}$$

$$\begin{array}{r}
 1\frac{5}{8} + \left(-3\frac{1}{3}\right) \\
 \overset{-2}{\cancel{3}}\frac{1}{3} \quad \overset{32}{\cancel{8}}\frac{1}{24} \\
 + 1\frac{5}{8} \quad \frac{15}{24} \\
 \hline
 -1\frac{17}{24}
 \end{array}$$

Homework
Blue WS 6

Due Wednesday