

October 22, 2014

4th

Starter:

5, 6 → 2
3, 4 → 1



1) $\left(-1\frac{1}{8}\right) + \left(-2\frac{1}{4}\right)$

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

2) $\frac{7}{8} + \left(+3\frac{1}{2}\right)$

$$\begin{array}{r} 3\frac{1}{2} \\ + \frac{7}{8} \\ \hline 3\frac{8}{8} \\ \hline 4\frac{1}{8} \end{array}$$

3) $4\frac{5}{6} + \left(+2\frac{2}{3}\right)$

$$\begin{array}{r} 4\frac{5}{6} \\ + 2\frac{2}{3} \\ \hline 6\frac{11}{6} \\ \hline 7\frac{1}{2} \end{array}$$

Tango

10/22 Subtracting Rational Numbers - Mixed Numbers

Change-change

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

$$4\frac{5 \cdot 5}{6 \cdot 5} - \frac{25}{30}$$

$$- 2\frac{3 \cdot 6}{5 \cdot 6} - \frac{18}{30}$$

$$2\frac{7}{30}$$

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

$$-3\frac{1 \cdot 4}{2 \cdot 4} - \frac{4}{8} + 2\frac{3}{8}$$

$$-1\frac{1}{8}$$

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

$$2\frac{1}{2} + 4\frac{3}{4}$$

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

$$\ominus 2\frac{1}{4}$$

use the sign of the top (larger) number

$$2\frac{1}{3} + 4\frac{3}{5}$$

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



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

What do you do?

Get one out of
the freezer and
cut it into 8 parts.

This is the same situation written as a math problem.

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

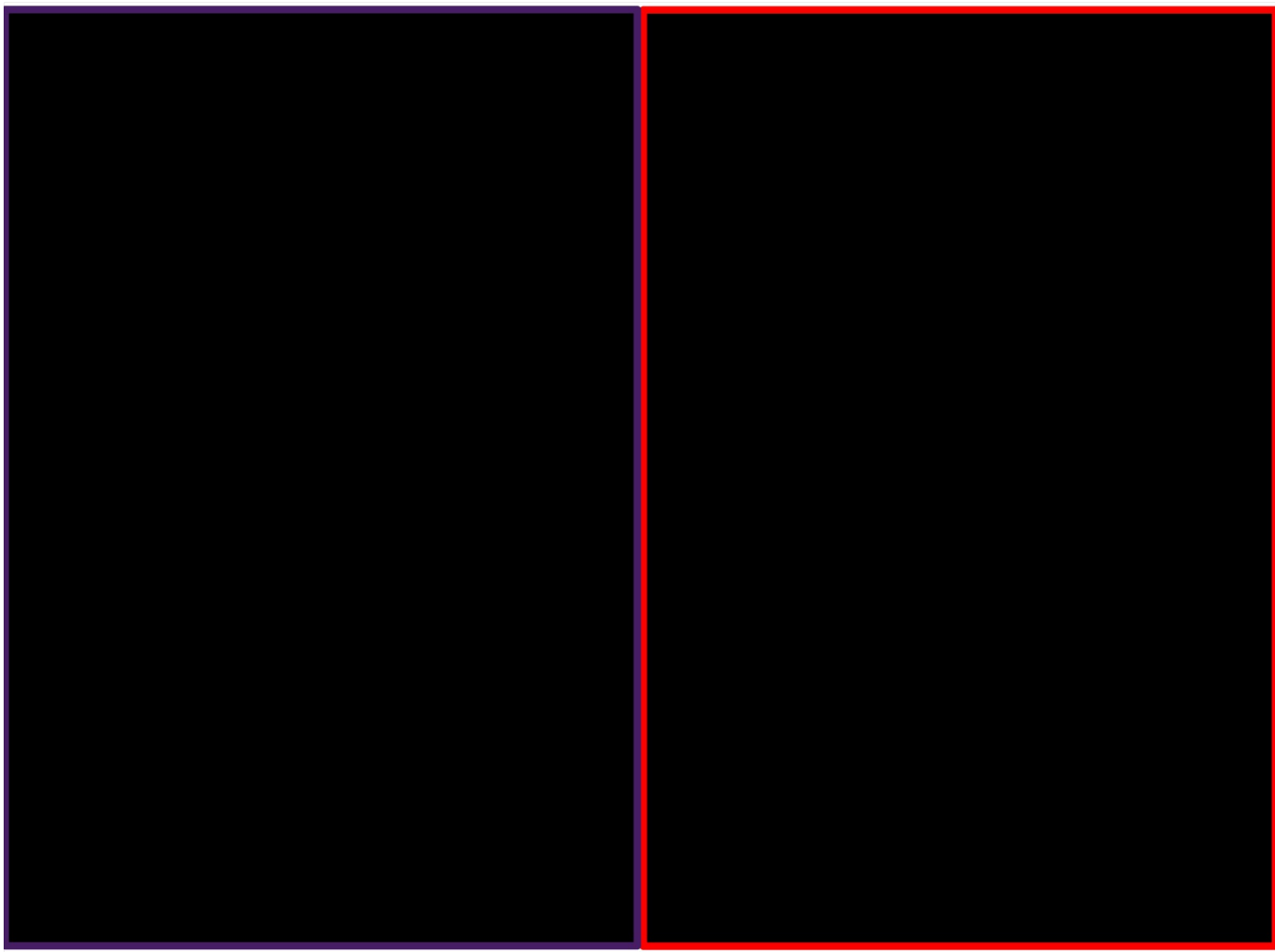
$$\begin{array}{r} \\ - \frac{7}{8} \\ \hline \end{array}$$

$$3 \frac{6}{8}$$

$$3 \frac{3}{4}$$

$$\begin{array}{r} \left(-2\frac{2}{5}\right) + 1\frac{5}{8} \\ - \cancel{2} \frac{2}{5} \quad \frac{56}{40} \\ + \quad 1 \frac{5}{8} \quad \frac{25}{40} \\ \hline - \frac{31}{40} \end{array}$$

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



Homework

Due