

October 20, 2014^{4th}



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

Tempus

Try some harder ones!

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

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

$$\frac{3}{4} - \frac{5}{8}$$

$$\begin{array}{r} \frac{3 \cdot 2}{4 \cdot 2} \\ - \frac{5}{8} \\ \hline \frac{6}{8} - \frac{5}{8} \\ \hline \frac{1}{8} \end{array}$$

$$-\frac{2}{5} + \frac{-1}{2}$$

$$-\frac{2 \cdot 2}{5 \cdot 2} = \frac{-4}{10}$$

$$+ \frac{-1 \cdot 5}{2 \cdot 5} = \frac{-5}{10}$$

$$\frac{-9}{10}$$

$$-\frac{5}{9} + \left(-\frac{1}{3}\right)$$

Change-change
FIRST

$$-\frac{5}{9} = \frac{-5}{9}$$

$$+ \frac{-1 \cdot 3}{3 \cdot 3} = \frac{-3}{9}$$

$$\frac{-8}{9}$$

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

$$\begin{array}{r} -\frac{3 \cdot 3}{4 \cdot 3} -\frac{9}{12} \\ + \frac{5 \cdot 2}{6 \cdot 2} \frac{10}{12} \\ \hline \frac{1}{12} \end{array}$$

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

$$\begin{array}{r} -\frac{2 \cdot 4}{5 \cdot 4} -\frac{8}{20} \\ + -\frac{3 \cdot 5}{4 \cdot 5} -\frac{15}{20} \\ \hline -\frac{23}{20} \\ = -\frac{3}{20} \end{array}$$

$$\begin{array}{r} 1 \\ 20 \overline{) 23} \\ \underline{-20} \\ 3 \end{array}$$

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

Same sign
ADD

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

$$\begin{array}{r} -\frac{4 \cdot 3}{5 \cdot 3} = \frac{-12}{15} \\ + \frac{-2 \cdot 5}{3 \cdot 5} = \frac{-10}{15} \\ \hline \end{array}$$

Diff Signs +

$$\begin{array}{r} \frac{2 \cdot 2}{5 \cdot 2} = \frac{4}{10} \\ - \frac{1 \cdot 5}{1 \cdot 5} = \frac{-5}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 15 \overline{) 22} \\ -15 \\ \hline 7 \end{array}$$

$$\frac{-22}{15} - \frac{7}{15} = -1\frac{7}{15}$$

Subtract

$$\frac{4}{10} - \frac{5}{10} = -\frac{1}{10}$$

HOMWORK

Gold WS3

DUE Tuesday