

October 12, 2011

Warm-Up:

$$4.6 - 8 - 3.3$$

$$-3.2 - 5.7 + 10$$

$$-6.2 + (-3.7) - 9.12$$

$$19 + (-5.6) - 13.4$$

Get out your homework:

Questions???

~~10/11~~ - Adding/Subtracting Fractions

10/12

*What needs to be done when
adding or subtracting fractions?*

$$3\frac{1}{4} + 1\frac{5}{6}$$

Get a common denominator

Why is it necessary to get a common denominator?

*So you are adding/subtracting
the same size pieces*

Compute:

$$4\frac{1}{5} + 2\frac{3}{8}$$

$$\begin{array}{r} 4\frac{1}{5} \frac{8}{40} \\ + 2\frac{3}{8} \frac{15}{40} \\ \hline 6\frac{28}{40} \end{array}$$

$$3\frac{1}{4} + 1\frac{5}{6}$$

$$\begin{array}{r} 3\frac{1 \cdot 3}{4 \cdot 3} \frac{3}{12} \\ + 1\frac{5 \cdot 2}{6 \cdot 2} \frac{10}{12} \\ \hline 4\frac{13}{12} = 5\frac{1}{12} \end{array}$$

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

$$\begin{array}{r} 8\frac{3}{4} \frac{9}{12} \\ - 2\frac{1}{3} \frac{4}{12} \\ \hline 6\frac{5}{12} \end{array}$$

$$9\frac{2}{3} - 5\frac{3}{4}$$

$$\begin{array}{r} 9\frac{2}{3} \frac{8}{12} \\ - 5\frac{3}{4} \frac{9}{12} \\ \hline 3\frac{1}{12} \end{array}$$

Remember:

Same sign

Add and

Keep the sign

Different signs

Subtract and

*Keep the sign of
the biggest #*

Compute each:

$$-2\frac{1}{3} + (-2\frac{4}{5})$$

$$-2\frac{1}{3} \frac{5}{15}$$

$$-2\frac{4}{5} \frac{12}{15}$$

$$\hline -4\frac{17}{15} = -5\frac{2}{15}$$

$$-4\frac{3}{4} + (+1\frac{5}{6})$$

$$\begin{array}{r} 3\cancel{4}\frac{3}{4} \quad 9\cancel{2}\frac{1}{12} \\ + 1\frac{5}{6} \quad 2\frac{4}{12} \\ \hline -2\frac{11}{12} \end{array}$$

$$3\frac{2}{5} + (-8\frac{1}{2})$$

$$\begin{array}{r} -8\frac{1}{2} \frac{5}{10} \\ + 3\frac{2}{5} \frac{4}{10} \\ \hline -5\frac{1}{10} \end{array}$$

Need any more??

Homework:

Pink worksheet
pizzazz 32/~~33~~
Front Only

Due tomorrow