

October 13, 2011

Warm-Up: 2pts each

6

$$-4\frac{3}{8} + 11\frac{5}{6}$$

$$\begin{array}{r} 11\frac{5}{6} \frac{20}{24} \\ -4\frac{3}{8} \frac{9}{24} \\ \hline 7\frac{11}{24} \end{array}$$

$$5\frac{4}{9} + (15\frac{1}{6})$$

$$\begin{array}{r} 15\frac{1}{6} \frac{3}{18} \\ + 5\frac{4}{9} \frac{8}{18} \\ \hline 20\frac{11}{18} \end{array}$$

$$-21\frac{4}{5} + 17\frac{3}{8}$$

$$\begin{array}{r} -21\frac{4}{5} \frac{32}{40} \\ -17\frac{3}{8} \frac{15}{40} \\ \hline \end{array}$$

$$\begin{array}{r} -38 \\ \hline -39 \end{array}$$

~~$\frac{47}{40}$~~

Get out your homework:

PINK Pizzazz worksheet

Questions??

9) $1\frac{5}{6} + (+3\frac{7}{8})$

$$\begin{array}{r} 3\frac{7}{8} \quad \frac{2}{24} \\ + \quad 1\frac{5}{6} \quad \frac{20}{24} \\ \hline \end{array}$$

$$4\frac{27}{24}$$

$$5\frac{13}{8}$$

$$\begin{array}{r} 24 \overline{) 47} \\ \underline{-24} \\ 23 \\ \underline{-12} \\ 11 \end{array}$$

12) $-3\frac{1}{3} + -3\frac{5}{16}$

$$\begin{array}{r} -3\frac{1}{3} \quad \frac{16}{48} \\ -3\frac{5}{16} \quad \frac{15}{48} \\ \hline -6\frac{31}{48} \end{array}$$

$$8) -7\frac{1}{8} + 4\frac{3}{4}$$

$$\begin{array}{r} -\cancel{7}^6\frac{1}{8} \quad \cancel{1}^9\frac{1}{8} \\ + 4\frac{3}{4} \quad \frac{6}{8} \\ \hline -2\frac{3}{8} \end{array}$$

$$4) \cancel{8}^9\frac{1}{9} \quad \cancel{2}^{20}\frac{2}{18}$$

$$\begin{array}{r} - \frac{5}{6} \quad \frac{15}{18} \\ \hline 8\frac{5}{18} \end{array}$$

$$14) -2\frac{3}{4} + 6\frac{5}{9}$$

$$\begin{array}{r} -6\frac{5}{9} \quad \frac{20}{36} \\ -2\frac{3}{4} \quad \frac{27}{36} \\ \hline -8\frac{47}{36} \\ -9\frac{11}{36} \end{array}$$

$$\begin{array}{r} 1\frac{11}{36} \\ 36 \overline{) 47} \\ \underline{-36} \\ 11 \end{array}$$

$$6) -\frac{7}{8} + 4\frac{4}{5}$$

$$\begin{array}{r} -4\frac{4}{5} \quad \frac{32}{40} \\ -\frac{7}{8} \quad \frac{35}{40} \\ \hline -4\frac{67}{40} \\ -5\frac{27}{40} \end{array}$$

$$\begin{array}{r} 1 \\ 40 \overline{) 67} \\ \underline{40} \\ 27 \end{array}$$

10/13 - Adding/Subtracting Fractions...Review

Work with your partner and come up with the list of steps on how to ~~add~~ the two fractions:

~~Add~~
Subtract

$$\begin{array}{r} 9\frac{3}{4} + -15\frac{1}{6} \\ \text{14} \quad \text{1} \cdot 2 \quad \text{2} \cdot 14 \\ -15\frac{1}{6} \cdot 2 \quad \frac{14}{12} \\ + 9\frac{3}{4} \cdot 3 \quad \frac{9}{12} \\ \hline -5\frac{5}{12} \end{array}$$

1. Add the opposite
2. Rewrite with the biggest on top
3. Find the LCD
4. Change the numerators to fit
5. Borrow
6. Subtract
7. Figure out the sign

Work with your partner and come up with the list of steps on how to subtract the two fractions:

$$7\frac{2}{5} + \left(-10\frac{2}{3}\right)$$

1.

2.

3.

4.

5.

6.

7.

What other questions do you have??

Now what...?

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

Homework:

Worksheet 2.2 ^{13-22 au} ~~#1-22~~ all

due tomorrow

