Objective: Today we will add and subtract fractions and mixed numbers.

HW: p.600 #4-11

Bellwork: evaluate each expression for $x = 3$ and $y = 5$

$$\frac{x}{10} + \frac{1}{y}$$

$$\frac{y}{6} - \frac{2}{x}$$

Bellwork: evaluate each expression for $x = 3$ and $y = 5$

$$\frac{x}{10} + \frac{1}{y}$$

$$\frac{3}{10} + \frac{1}{5}$$

$$\frac{2}{5}$$

$$\frac{y}{6} - \frac{2}{x}$$

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

$$\frac{1}{6}$$

Assignment (1-4A)
p.6 #17,19

1) $\frac{3}{4}+\frac{1}{16}$ $\frac{13}{16}$

2) $\frac{2}{5}+\frac{1}{10}$ $\frac{5}{10}$ or $\frac{1}{2}$

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

4) $\frac{3}{14}+\frac{1}{3}$ $\frac{23}{42}$

5) $\frac{1}{19}+\frac{1}{2}$ $\frac{21}{38}$

6) $\frac{1}{2}+\frac{3}{16}$ $\frac{11}{16}$

17) t is the total cost, and c is the number of cans

$t = \$.70c$

19) l is the length of rope, and t is the number of tents.

$l=60t$

Least Common Denominator (Multiple)

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

Step 1: Field Goal (multiply)

Step 2: multiply across diagonals

Step 3: add the numerators (top)

Mixed Numbers

Is the answer greater than 1?

8 + 9

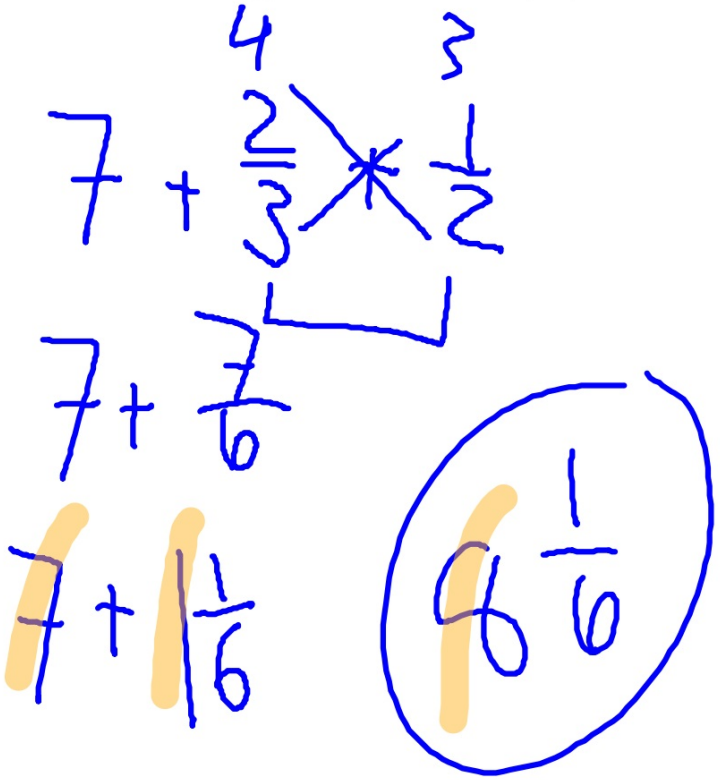
$\frac{2}{3} \times \frac{3}{4} \mid \frac{5}{12}$

17 Improper Fraction

$\frac{17}{12} \mid \frac{5}{12}$

Mixed numbers

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



4. $\frac{4}{9} + \frac{8}{9}$

$\frac{12}{9}$

$1\frac{3}{9}$ ÷3 ÷3

$1\frac{1}{3}$

5. $6\frac{2}{3} + 3\frac{4}{5}$

$9 + \frac{10}{3} \times \frac{12}{5}$

$9 + \frac{22}{15}$

$9 + 1\frac{7}{15}$

$10\frac{7}{15}$

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