## Math 9 Section 3.3 - Adding Subtracting Rational Numbers

Homework: Section 3.3 on Pg. 105; #1-5half, 8-10half, 11-18

(3.1 - 3.3)

Draw a picture that shows:  $\frac{3}{5} + \frac{1}{5}$  then use it to get the answer

$$\frac{4}{5}$$

Draw a picture that shows:  $\frac{4}{7} - \frac{3}{7}$  then use it to get the answer

Draw a picture that shows:  $\frac{3}{8} + \frac{2}{5}$  then explain why you can't use it to get the answer

When adding/subtracting two fractions, they must have the same Deno Minfor 

Denominator Stays the same!

Examples: (Give your answers as mixed) AND improper fractions)
$$-\frac{17}{10} - \frac{9}{10} = -\frac{17 - 9}{10}$$

$$= -\frac{26}{10} + \frac{2}{10} = -\frac{13}{10}$$

$$= -\frac{46}{9} - \frac{22}{9} = \frac{24 + 3}{9} = \frac$$

$$\frac{2 \cdot 8}{3 \cdot 8} = \frac{513}{8} \text{ remainder} = \frac{1}{8}$$

$$\frac{2 \cdot 8}{3 \cdot 8} + \frac{5 \cdot 3}{8 \cdot 3}$$

$$= \frac{16}{24} + \frac{15}{24}$$

$$= \frac{31}{24} \text{ Try numbers}$$

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

$$\frac{3.15}{5}$$

$$\frac{7.3}{5.3} - \frac{46}{15}$$

$$\frac{21}{15} - \frac{46}{15}$$