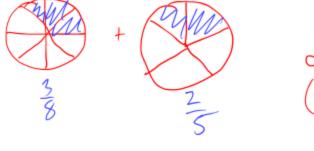
Math 9 Section 3.3 - Adding/Subtracting Rational Numbers

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

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

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



differentsizes (different Lenominators)

Pieces are

When adding/subtracting two fractions, they must have the same <u>Momentum</u> to get the answer.

Denominator Stays the Same.

$$\frac{-\frac{17}{10} - \frac{9}{10}}{-\frac{10}{10}} = \frac{-17 - 9}{10} = \frac{-26 \div 2}{10 \div 2} = \frac{13}{5}$$

$$\frac{1}{10} - \frac{9}{10} = \frac{-17 - 9}{10} = \frac{-26 \div 2}{10 \div 2} = \frac{13}{5}$$

$$\frac{1}{9} - 2\frac{4}{9} = \frac{5 \cdot 9 + 1}{9} = \frac{2 \cdot 9 + 44}{9}$$

$$= \frac{46}{9} - 22 = \frac{24 \div 3}{9 \div 3} = \frac{8}{3}$$

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

$$\frac{2}{3} + \frac{5}{8} = \frac{12}{5} - 3\frac{1}{15} = \frac{2}{15}$$

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

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

$$\frac{17}{24} - \frac{17}{24}$$

$$\frac{17}{24} - \frac{17$$

Examples: (Give your answers as mixed AND improper) fractions)