Name: _____ Per: _____

"NOVEMBER REVIEW" FINAL REVIEW SHEET

CONVERSIONS:

- **How do you write a fraction as a decimal?**

- **How do you write a decimal as a fraction?**

- **How do you write a percent as a decimal?**

- **How do you write a decimal as a percent?**

ARITHMETIC:

ADDING decimals and SUBTRACTING decimals:

$$\begin{array}{r} 134.12 \\ +\ 25.485 \\ \hline 159.605 \end{array} \qquad \begin{array}{r} 1.405 \\ -\ 0.55 \\ \hline 0.855 \end{array}$$

MULTIPLYING decimals and DIVIDING decimals:

$$\begin{array}{r} 2.1\,5 \\ \times\ 3.2 \\ \hline 4\,3\,0 \\ 6\,4\,5 \\ \hline 6.8\,8\,0 \end{array} \quad \begin{array}{l} \leftarrow \text{2 decimal places} \\ \leftarrow \text{+ 1 decimal place} \\ \\ \\ \\ \leftarrow \text{3 decimal places} \end{array}$$

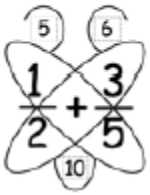
$$5.2\overline{)31.408} \longrightarrow 52\overline{)314.08}$$

Move decimals 1 place.

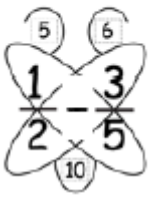
$$\begin{array}{r} 6.04 \\ 312 \\ \hline 2\ 08 \\ 2\ 08 \\ \hline 0 \end{array}$$

ADDING fractions and SUBTRACTING fractions:

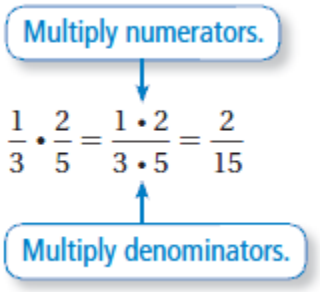
$$\frac{1}{2}+\frac{3}{5}$$

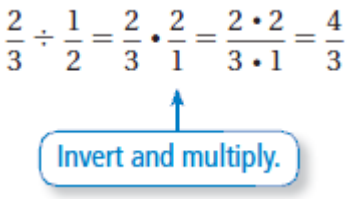


$$\frac{1}{2}-\frac{3}{5}$$



MULTIPLYING fractions **and** **DIVIDING fractions:**





SOLVING PERCENT PROBLEMS:

$$\frac{\textbf{part}}{\textbf{whole}} = \frac{\textbf{percent}}{\textbf{100}} \quad \text{OR} \quad \frac{\text{is}}{\text{of}} = \frac{\%}{100}$$

PERCENT -- the number with the percent sign (%).

PART -- the number with the word ***is***.

WHOLE -- the number with the word ***of***.

Now practice by solving these:

1. What number is 75% of 4?

2. 3 is what percent of 4?

3. 75% of what number is 3?

Finding DISCOUNTS **or** **TAX (tip works the same way):**

Original price: $36
Discount: 30%

Discount:

$\frac{30}{100} = \frac{x}{36}$ discount $= \$10.80$

New Price:

$\$36.00 - \$10.80 = \$25.20$

$39 dress and sales tax is 6%
.06 (39) = 2.34
39 + 2.34 = 41.34
The cost of the dress including tax is $41.34