PERCENT & PROPORTIONS

REVIEW

What are Proportions?

Proportions are EQUAL RATIOS

$$\frac{3}{5} = \frac{6}{10}$$ **"3 is to 5 as 6 is to 10"**

List all the ways you can prove that these are proportional

1) _____

2) _____

3) _____

4) _____

Solving Proportions Using Equal Ratios

Solve for the missing variable.

1) $\dfrac{1}{5} = \dfrac{x}{20}$

2) $\dfrac{27}{x} = \dfrac{9}{12}$

Solving Proportions Using Cross-Producsts

Solve for the missing variable.

3) $\dfrac{w}{6} = \dfrac{6}{9}$

4) $\dfrac{12}{10} = \dfrac{a}{15}$

Review: Converting Decimals to Fractions

Convert the following decimals into fractions:

5) .6

7) .045

6) .15

8) .125

The key to comparing:

DECIMALS!

- You need to remember to change all fractions and percents to _____.

- After you have converted them to _____, you will have no problem ordering them :)

COMPARING FRACTIONS, DECIMALS, AND PERCENTS

Use the symbols <, >, or = to compare the following:

a) 16% _____ $\dfrac{3}{20}$

b) 79% _____ 0.08

c) 25% _____ $\dfrac{7}{25}$

d) 0.49 _____ 94

Example: Order from LEAST to GREATEST.

$$0.35, \ 0.3, \ \frac{2}{5}, \ 0.45, \ 0.5$$

Convert all fractions into decimals!

Line up the decimals!

Even the playing field by plugging in place holding zeros.

Compare the numbers from left to right!

Put back in original form...