Changing a Fraction to a Percent (2 strategies)

• Convert your fraction to a decimal. Then, look at your number out to the hundredths place to find your percent (since percents are always out of 100)

$$\frac{2 \times 2}{5 \times 2} = \frac{4 \times 10}{10 \times 10} \text{ or } \frac{40}{100} = 0.9 = 0.9 = 40.7$$

- Make a proportion set your fraction equal to another fraction with a denominator of 100
 - o Multiply your cross products and then divide by your original fractions denominator.

$$?=2\times100=200\div5=40$$

$$\frac{40}{100}=400\%$$

$$?=3\times100=300\div7342.857$$

$$\frac{42.857}{100}\approx(43\%)$$

Investigation 4 Cheat Sheet

Percents

- a part to whole comparison using 100 as the whole.
- Means "out of"
- Another way to write a fraction with a denominator of 100
- Example: 8% is 8 out of 100, 8 or 8 per 100.

Use a percent ban to salve problems involving percents, Here are some tips:

- The bottom of the bar is used for percents. The beginning being 0% and the end being 100%
- The top of the bar is used for the numbers. The beginning being 0 and the end being your total.
- Separate the bar into equal sized pieces that are compatible with your problem.
 - Label each piece as a percent on the bottom of the bar. For example if I separated my bar into 4 pieces I would do 100 + 4 to get how much each piece would be. Each piece would be 25% so I would count by 25% when I labeled my parts.
 - Label each piece as a number on the top of the bar. For example if I separated my bar into 4 pieces I would do my total + 4 to get how much each piece would be. I would count by whatever answer I got when I labeled my parts.

