Pre-Algebra **Percents** Example 1

Write the following percents as fractions and the following fractions as percents:

$$1. \ 20\% = \frac{20}{100}$$
$$= \frac{2/2}{10/2} = \frac{1}{5}$$

$$\frac{36/2}{50/2} = \frac{18}{25}$$

 $\frac{72/2}{199/2} = \frac{36}{50}$

$$\frac{4. \quad 9}{20} = 20\overline{9.00} \qquad 5. \quad \frac{16}{50} = \frac{16(2)}{50(2)} = \frac{804}{100} = \frac{32}{100} = 0.32.$$

$$5. \frac{16}{50} = \frac{16(2)}{50(2)}$$

Use a proportion to answer the following questions:

- 1. INHAT PERCENT UT 32 IS 15?
- 2. WHAT NUMBER IS 40% OF 807
- 3. 77 IS 90% OF WHAT NUMBER?

$$\frac{q}{b} = \frac{P}{100}$$
 WHERE a = portion of base b= base
$$\frac{P}{100} = \text{Percent}$$

1. WHAT ARE WE TRYING TO FIND? P WHAT IS a &b? a=15 b=32

$$\frac{Q}{b} = \frac{P}{100}$$

$$\frac{15}{32} = \frac{P}{100}$$

(ROSS PRODUCT

$$P = \frac{15(100)}{32} = 46.875$$

POUND TO NEAREST PERCENT -> 47%

$$2. \quad \frac{a}{b} = \frac{P}{100}$$

$$\frac{q}{80} = \frac{40}{100}$$

3.
$$\frac{a}{b} = \frac{P}{100}$$

Write the following percents as decimals and the following decimals as percents:

1.36%

4. 0.22

2.71%

5.0.196

3. 43%

6.0.071

1.36% - 36 2.71% - 76

36% = 0.36

71% = 0.71

3. 43% - 43.

436=0.43

4. 0.22 5. 0.196 = 19.69. 6. 0.071