

**Percent's**

1. Percent's means: as expressed in hundredths: used to express a proportion of an amount in hundredths, sometimes represented by the symbol percent
2. one hundredth: one hundredth part of something

5 is 5% of 100.  $\frac{5}{100} = .05$  or 5%

12 is 12% of 100.  $= \frac{12}{100} =$  Or 12%

250 is 250% of 100.  $= \frac{250}{100} = 2.5$  or 250%

For, a percent is a number of hundredths. 5% means 5 hundredths. 5 is 5 hundredths of 100. That is the ratio of 5 to 100. What percent has 6 to 12? 6 is *half* of 12, or, in the language of percent, 6 is 50% of 12.

EXAMPLE 1. \$42.10 is what percent of \$42.10?

**Answer.** 100%. 100% is all.

EXAMPLE 2. What percent is 24 out of 50? Equivalently, 24 is what percent of 50?

**Answer.** Again, percent is how many out of 100. But if there are 24 out of 50 --

-- then out of 100, there are *two* 24's: 48. ... 24 is 48% of 50.

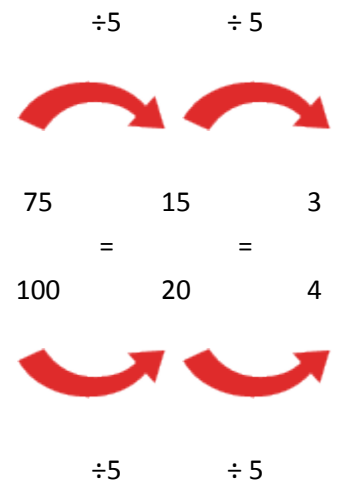
EXAMPLE 3. What percent of 80 is 20? **Answer.**  $\frac{20}{80} = .25$  25%

EXAMPLE 4 What is 15% of 60? **Answer:**  $.15 \times 60 = 9$

**Example 5: Express 75% as a fraction**

Step 1: Write down:  $\frac{75}{100}$

Step 2 [Simplify the fraction](#)      **Answer**  $= \frac{3}{4}$



Tax is a percentage you pay in addition to, but based on the price of your meal or purchase. If our sales tax was 7% then 7% would need to be added to a purchase of \$9.99. Your formula should look like this: 7 percent x 9.99 = 69.93 \100 = .70. This step alone only calculates what the tax would be. You must add this number to the cost of the food to get the answer of \$10.69.