6.3 The Percent Proportion p.228

In a percent proportion, one ratio compares part of a quantity to the whole quantity.

The other ratio is the equivalent percent written as a fraction (the denominator is 100).

**after solving, round to the nearest tenth of a percent, if necessary.

percent
$$\langle \frac{x}{100} = \frac{is}{of} \rightarrow \text{part}$$

1. (22 is what percent of 115) Looking for the percent

2. What number is 80% of 500? Looking for the part (is)

4. Find 12.5% of 88.

$$\frac{12.5}{100} = \frac{x}{88}$$

5. 19 is 62.5% of what number?

6. 17 is what percent of 68?

$$\frac{X}{100} = \frac{17}{68}$$

9. A recent poll shows that 65% of adults are in favor of increased funding for education. The number of adults surveyed for the poll was 140. How many were in favor of increased spending?

$$\frac{65}{100} = \frac{x}{140}$$

10. On a recent round of golf, Antonio made par on 15 out of 18 holes. What percent did he make?

$$\frac{x}{100} = \frac{15}{18}$$