Unit 23 Solving Percent Problems Using Proportions

- 1. Proportions may be used to solve many percent problems.
- 2. Percentages may be used to compare two numbers. One number represents the part, the other number represents the whole.



C. Finding the whole given the part and the percentage Example: 16 is 80% of what number?



$$\frac{\frac{\%}{100} = \frac{Part(is)}{Whole(of)}}{\frac{80}{100} \checkmark \frac{16}{x}}$$

$$80x = (100)(16)$$

$$80x = 1600$$

$$x = 20$$

Remember: to get x alone, divide 80 into 1,600.