

Percent Word Problems

HINT: Always identify which values you are given from the word problem, then plug them into the correct locations in the proportion before you start to calculate.

$$\frac{\text{Part (is)}}{\text{Whole/total (of)}} = \frac{\%}{100}$$

- **PROBLEM 1:** A store owner paid \$120 wholesale price for a suit. He needs to make a 35% profit on the sale of the suit. By how much should he markup the price of the suit to make his desired profit?
 - a. **Rephrase:** What is 35% of \$120? \$
 - b. How much would he end up needing to sell it for? \$
- **PROBLEM 2:** Mrs. Smith earns \$3500 a month. She saves \$280 a month. Savings is what percent of her income?
 - a. **Rephrase:** \$280 is what percent of \$3500? %
- **PROBLEM 3:** Sales tax in a certain community is 7%. If the sales tax on a new car was \$1400, what was the selling price of the car?
 - a. **Rephrase:** \$1400 is 7% of what number? \$
- **PROBLEM 4:** Mr. Jones receives 10% commission on each sale that he makes. He earned \$450 last week in commissions. How much were his sales?
 - a. **Rephrase:** \$450 is 10% of what number? \$
- **PROBLEM 5:** An organization has raised \$4800 for a remodeling project. This is 60% of their goal. What is their fundraising goal?
 - a. **Rephrase:** \$4800 is 60% of what number? \$
- **PROBLEM 6:** A coat was originally priced at \$50. It went on sale for \$35. What was the percent that the coat was discounted? %