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?   %