

# Percent Problems

## Percent Proportion

$$\frac{\textit{part}}{\textit{total}} = \frac{\%}{100}$$

Use percent proportion, fill in information and solve.

1. Mary pays 20% of her paycheck towards her car payment? If she gets paid \$1800 a month, what amount does she pay towards her car?
2. Melissa's softball team won 11 games and lost 1 game. What percent of the games played were won?
3. Matthew's bowling team won 9 games. His team lost 3 games. What percent of the games played were lost?
4. Christina makes \$9 per hour at the credit union. After taxes she only takes home \$8.10 per hour. What percent of the gross income is her take home pay?
5. Phillip had \$1800 in his saving account. After he bought his boat he had \$720 in his account. What percent of original account balance is his current balance?
6. This year, 57% of the graduating seniors decided to go on to college or other educational opportunities, 25% of the graduating seniors decided to go into the military, 10% have decided to go directly into the work force, and the other 8% are undecided. This year, 1197 students have decided to go on to college or other educational opportunities. How many students are graduating this year?
7. Brian made a birdhouse for \$25. He then sold it for \$30. What is his percentage of profit?
8. Jeff bought a Ken Griffey Jr. baseball card for \$2. Later, he sold it for \$5. What was his percent of gain?

9. Jon bought a car for \$8000. Later, he sold it for \$6000. What was his percent of loss?
  
10. Bill invested \$800 dollars in stocks. After a short time, he sold his stock for \$1000. What was his percent of increase?