

**Answer Key**

Solve each problem below using your knowledge of percent and proportions, sale price and discount, simple interest, straight commission, sales tax and percent change.

1. A blouse that regularly sells for \$28.50 is on sale for one-third off. What is the sale price of the dress?  
**\$19.00**
2. If 14 out of 24 students in a college class are men, then, to the nearest tenth of a percent, what percent of the class is composed of men?  
**58.3%**
3. A volleyball team won 90% of 80 games played. How many games did they win? **72 games**
4. At Murky Middle School, 372 students ride the bus to school. If this number is 60% of school enrollment, then how many students are enrolled at the school?  
**620 students**
5. Sheila deposited \$1,050.00 into a saving account at her local bank. If the interest rate is 1.5%, then how much will he have after 18 months (Round your answer to the nearest cent)?  
**\$1,073.63**
6. At the Phoney Interior Design Store each salesperson receives a 7.5% commission on sales. What would a salesperson earn if she sold \$1,750 in home furnishings?  
**\$131.25**
7. The cost of annual tuition at a university increased from 10,500 to \$11,300. What is the percent increase in tuition to the nearest tenth of a percent?  
**7.62% increase**
8. Freddie owes \$12,500 for a loan to be repaid in 5.5 years. If the interest rate is 4.375%, then how much will he pay altogether to the nearest cent?  
**\$15,507.81**
9. Last year a community had 32 incidents of vandalism. This year they had 23 incidents of vandalism. What was the percent of decrease rounded to the nearest percent?  
**28% decrease**
10. If you purchase a DVD player that costs \$625, how much sales tax will you pay to the nearest cent if the rate is 7.375%?  
**\$46.09**