

Problem with Percent

Solve each problem below using your knowledge of percent applications. Round your answer to the nearest cent or to the nearest percent wherever appropriate.

1. If you purchase an iPod that costs \$570, how much sales tax will you pay if the rate is 12.34%? _____
2. A shirt that regularly sells for \$42.25 is on sale for 20% off. How much would you pay if you bought the shirt? _____
3. If 16 out of 84 students in a computer class are boys, then what percent of the class is composed of boys? _____
4. A meteorologist was accurate 70% of the time, reporting accurately on 90 days. How many days of weather did he report? _____
5. Jimmy owes \$30,500 for a car loan to be repaid in 48 months. If the interest rate is flat 5.25%, then how much interest will he pay each month? _____
6. At Tampa High School, 135 students walk to school. If this number is 25% of school enrollment, then how many students are enrolled at the school?

7. Jerry deposited \$625.00 into a saving account at his bank. If the interest rate is 2.75%, then how much will he have after 24 months? _____
8. Last year a school had 249 basketball enthusiasts as compared with only 243 this year. What is the percent decrease in basketball enthusiasts? _____
9. At the Frills and Buns Shop each salesperson receives a 4.8% commission on sales. What would a salesperson earn if she sold \$750 in goods? _____
10. At a supermarket the hourly pay increased from \$12.00 to \$16.50. What is the percent increase in pay? _____

Answers:

1. If you purchase an iPod that costs \$570, how much sales tax will you pay if the rate is 12.34%? \$640.35
2. A shirt that regularly sells for \$42.25 is on sale for 20% off. How much would you pay if you bought the shirt? \$33.8
3. If 16 out of 84 students in a computer class are boys, then what percent of the class is composed of boys? 19 %
4. A meteorologist was accurate 70% of the time, reporting accurately on 90 days. How many days of weather did he report? 63
5. Jimmy owes \$30,500 for a car loan to be repaid in 48 months. If the interest rate is flat 5.25%, then how much interest will he pay each month? \$668.75
6. At Tampa High School, 135 students walk to school. If this number is 25% of school enrollment, then how many students are enrolled at the school?
540
7. Jerry deposited \$625.00 into a saving account at his bank. If the interest rate is 2.75%, then how much will he have after 24 months? \$659.375
8. Last year a school had 249 basketball enthusiasts as compared with only 243 this year. What is the percent decrease in basketball enthusiasts? 2.46%
9. At the Frills and Buns Shop each salesperson receives a 4.8% commission on sales. What would a salesperson earn if she sold \$750 in goods? \$36
10. At a supermarket the hourly pay increased from \$12.00 to \$16.50. What is the percent increase in pay? 37.5%