Percent Applications Worksheet 1 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. What percent of 65 is13?   **20%**

2. 42 is 60% of what number?   **70**

3. A softball team won 95% of 120 games played. How many games is that?   **114 games**

4. At Big City School, 4,248 students ride mass transit to school. If this number is 90% of school enrollment, then how many students are enrolled?

    4,720 students

5. If 12 out of 21 students in a class are girls, then, to the nearest percent, what percent of the class is composed of girls?

    57%

6. A tool that regularly sells for $18.50 is on sale for 20% off. What is the sale price?   **$14.80**

7. Ravi deposited $950.00 into a saving account at his local bank. If the interest rate is 2.5%, then how much will he have after 6 months (Round your answer to the nearest cent)?

    $961.88

8. Lilly owes $52,000 in student loans for college. If the loan will be repaid in 5.5 years and the interest rate charged is 6.75%, then how much will she pay altogether?

    $71,305.00

9. At the Lying Lemon Used Car Company each salesperson receives a 6.5% commission on sales. What would a salesperson earn if he sold a 1990 car for $9,290?

    $603.85

10. What sales tax, at a rate of 5%, must you pay on the purchase of a computer hard drive that costs $229?

    $11.45

11. The cost of paint used in a redecorating job is $65.70. This is a reduction from its original cost of $82.13. What is the percent decrease in the cost of paint to the nearest percent?

    20% decrease