

LESSON

Practice B

2-9 Applications of Percents

Solve each problem.

1. Mr. Holtzclaw sells his home for \$240,000. He must pay the real estate agents a 5% commission. How much is the commission? _____

2. A textbook salesperson is paid a base salary of \$35,000 plus a 3% commission on sales. Her total sales last year were \$620,000. Find her total pay last year. _____

3. A music publisher earns a 6.75% commission on the money made from the use of a song on a CD. If the music publisher earns \$84,375, how much money was made from the use of the song? _____

4. Find the simple interest earned after 5 years on \$1200 invested at 2% annual interest rate. _____

5. After 6 months, \$1.78 simple interest was earned on an investment of \$890. Find the annual interest rate. _____

6. Ms. Pecho currently owes \$637.50 simple interest on a loan of \$2500 at an annual interest rate of 17%. How long has she had the loan? _____

7. The lunch check for Tawfiq and Helen is \$16.98. Estimate the tip using a rate of 15%. _____

8. The state sales tax rate in North Carolina is 4.5%. Estimate the state sales tax on a model of the Wright Brothers' airplane that costs \$139.99. _____

9. A wedding reception is held at a restaurant in Mississippi. The food and drinks cost \$1492.50. The state sales tax rate is 7%, and the restaurant automatically adds a 20% tip for large parties.
 - a. Estimate the state sales tax. _____
 - b. Estimate the tip. _____
 - c. Estimate the total bill for food, drinks, tax, and tip. _____