

**LESSON**

**Practice C**

**8-6**

**Applications of Percents**

Find each commission or sales tax, to the nearest cent.

1. total sales \$9450  
commission rate: 8%

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2. total sales \$21,097  
sales tax rate: 5.5%

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3. total sales \$1089  
sales tax rate:  $6\frac{1}{8}\%$

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4. total sales \$16,772  
commission rate: 15%

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Find the total sales, to the nearest cent.

5. commission: \$41.50  
commission rate: 8%

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6. commission: \$263.70  
commission rate:  $4\frac{1}{2}\%$

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7. commission: \$614.25  
commission rate: 6.25%

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8. commission: \$2250  
commission rate: 15%

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9. A model car has a list price of \$46.20. The model is on sale at 15% off. Find the total cost to the nearest cent after a 4.5% sales tax is added to the sale price. \_\_\_\_\_
10. An item priced at \$776 has a sales tax of \$48.50. Find the sales tax rate expressed as a percent. \_\_\_\_\_
11. Mr. James paid \$2552.55 in state income taxes last year. The state income tax rate is 5.95%. What was his income? \_\_\_\_\_
12. Find the total monthly pay if total sales for a month were \$35,450, the commission rate is 4.5%, and the weekly base salary is \$175. \_\_\_\_\_
13. Ms. Simms is paid an 8% commission on all sales. She had sales of \$89,400 for the month. Ms. Harris works for a different company, and also sold \$89,400 for the month but made \$447 more than Ms. Simms. What is Ms. Harris' commission rate? \_\_\_\_\_