

**Practice
11-2****Unit Prices**

1. If 7 model cars cost \$28 what is the unit price of the model cars?
2. A store sells 4 cans of beans for \$9. What is the price of 7 cans of beans?
3. If 7 notepads cost \$3.15, what is the unit price of the notepads?
4. The price of an 8-minute phone call is \$1.20. What is the price of a 17-minute phone call?
5. A 25-pound bag of bird food costs \$19.50. A 30-pound bag of the same bird food costs \$22.80. Which bag of bird food is the better buy?
6. You want to buy some rice. A 6-ounce package costs \$2.28. A 14-ounce package costs \$5.18. A 26-ounce package costs \$10.40. Which package is the best buy?
7. **Writing** At a home improvement store, you find two ways to buy the kind of roofing nail you need. The 2-pound box sells for \$3.72. The 17-pound box sells for \$31.96. Find the better buy. Give at least three reasons why a customer might not care which box is the better buy.
8. **Reasoning** A store sells a package of 15 trading cards for \$4.20.
 - a) Explain how you can tell that the unit price per card is less than \$1.
 - b) What is the unit price per card?
9. **Error Analysis** A contractor purchases 4 dozen pairs of padded work gloves for \$54.24. She incorrectly calculates the unit price as \$13.56 per pair for the expense report.
 - a) What is the correct unit price?
 - b) Why is the contractor's unit price incorrect?
 - ☐ A. The contractor uses subtraction rather than division to find the unit price.
 - ☐ B. The contractor's unit price is per dozen pairs, not per pair of gloves.
 - ☐ C. The contractor uses multiplication rather than division to find the unit price.
 - ☐ D. The contractor's unit price is per glove, not per pair of gloves.
10. **Fundraising** The ski team needs new uniforms. The students plan to sell plush toy hawks (the school mascot) for \$5 each. The students find three companies online that sell stuffed mascots. Company A sells 15 hawks for \$42.72. Company B sells 16 hawks for \$45.12. Company C charges \$34.56 for 12 hawks. Which company is the best buy?

- 11. Mental Math** A teacher pays \$79 for 10 magazines. What is the unit price per magazine?
- 12.** A package of 4 pairs of insulated gloves costs \$29.16. What is the unit price of the pairs of gloves?
- 13.** A box of 200 folders costs \$1.40. What is the unit price of the folders?
- 14. Think About the Process** At a little-known vacation spot, taxi fares are a bargain. A 42-mile taxi ride takes 49 minutes and costs \$29.40. You want to find the cost of a 28-mile taxi ride. What unit price do you need?
- 15. Think About the Process** At a supermarket, an 8-ounce bottle of brand A salad dressing costs \$1.76. A 15-ounce bottle costs \$3.45. A 28-ounce bottle costs \$5.88.
- a)** What unit prices do you need to know to find the best buy?
- ☐ A. The unit prices per bottle
 - ☐ B. The unit prices per bottle and per ounce
 - ☐ C. The unit prices per dollar
 - ☐ D. The unit prices per ounce
- b)** Which bottle is the best buy?