

Section 1.1 Extra Practice

- Estimate, then calculate the unit price of each product.
 - \$5.99 for 8 hamburgers
 - \$11.96 for 4 containers of windshield washer fluid
 - \$1.74 for 4 green peppers
 - \$4.77 for 6 rolls of paper towels
- The unit price of brown sugar in bulk is \$1.90 per kilogram. What is the cost of each amount?
 - 5 kg
 - 20 kg
 - 42 kg
 - 0.5 kg
- Given the unit price of each item at a bulk food store, estimate, then calculate the cost of each amount.

Product	Unit Price	Amount
a) raisins	\$0.55/100 g	500 g
b) pistachios	\$2.05/100 g	125 g
c) egg noodles	\$0.43/100 g	275 g
d) tea	\$0.13/10 bags	75 bags
- A case of 24 juice packs costs \$11.97. An 8-pack of juice costs \$4.47. Which size would be the most economical if you needed to buy 100 drinks for a school breakfast program? Show your work.
- Determine the unit price for each item.
 - \$7.00 for 400 g of almonds
 - 227 g of mushrooms for \$2.99
 - \$1.49 for 3.2 kg of tangerines
 - 1.5 kg of pork ribs for \$6.68
- What is the original unit price and the new unit price of each item?
 - 25 kg of potatoes are reduced from \$4.99 to \$2.99
 - a pack of 8 batteries goes up from \$3.49 to \$3.99
 - 750 mL of soda for \$1.79 goes on sale for \$0.79
- What is the percent increase or decrease in price for each item in #6? Round your answers to the nearest percent.
- Determine the unit price using either 1 mL or 100 mL. Explain your choice.
 - \$8.96 for 950 mL of conditioner
 - 50 mL of moisturizer for \$16.99
 - 3.7 L of paint for \$25.99



Name: _____

Date: _____

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(continued)

- 9.** Predict which size of each item has the lower unit price. Calculate to check your predictions.
- a)** 12 cold tablets for \$11.99 or 24 for \$19.99
 - b)** 1 L of ketchup for \$5.79 or 350 mL for \$1.89
 - c)** \$3.89 for 5 cheese strings or \$7.49 for 12
 - d)** \$3.49 for a 750-g bag of tortilla chips or \$4.99 for a 1.25-kg bag of tortilla chips
- 10.** Brent runs a house inspection business. An average house inspection takes 3 hours. He charges \$225 for a 3-hour inspection.
- a)** What is the unit price?
 - b)** He is going to post advertisements. Do you think the ad should show the unit rate or the rate per inspection? Why?

