

**Independent Practice**

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**Simplify.** (Examples 1 and 2)

1.  $\frac{1}{2} =$

2.  $\frac{2}{3} =$

3.  $\frac{8}{9} =$

4.  $\frac{2}{5} =$

5.  $\frac{4}{5} =$

6.  $\frac{1}{7} =$

7. Mary is making pillows for her Life Skills class. She bought  $2\frac{1}{2}$  yards of fabric. Her total cost was \$15. What was the cost per yard? (Examples 3 and 4)

8. Doug entered a canoe race. He rowed  $3\frac{1}{2}$  miles in  $\frac{1}{2}$  hour. What is his average speed in miles per hour? (Examples 3 and 4)

9. Monica reads  $7\frac{1}{2}$  pages of a mystery book in 9 minutes. What is her average reading rate in pages per minute? (Examples 3 and 4)

**Write each percent as a fraction in simplest form.** (Example 5)

10.  $56\frac{1}{4}\% =$

11.  $15\frac{3}{5}\% =$

12.  $13\frac{1}{3}\% =$

13. A bank is offering home loans at an interest rate of  $5\frac{1}{2}\%$ . Write the percent as a fraction in simplest form. (Example 5)

# Shopping Takes Time

## Example

Choose the better buy.

3 pens for \$2.95 or 5 pens for \$5.10

Sometimes you can estimate to find the better buy.

If 3 pens cost \$2.95, then each pen costs less than \$1.00.

If 5 pens cost \$5.10, then each pen costs more than \$1.00.

So, **3 for \$2.95** is the better buy.

Choose the better buy.

- 1 3 lb for \$1.49 or 5 lb for \$2.79
- 2 10 oz for \$0.99 or 9 oz for \$1.71
- 3 7 oz for \$0.59 or 15 oz for \$0.89
- 4 2 pieces for \$0.81 or 12 pieces for \$2.69
- 5 9 pieces for \$1.71 or 12 pieces for \$2.69
- 6 14 CDs for \$139.30 or 9 CDs for \$92.50
- 7 3 movies for \$59.50 or 2 movies for \$42.10
- 8 7 oz for \$0.59 or 10 oz for \$0.99
- 9 2 lb for \$0.81 or 3 lb for \$1.49
- 10 15 oz for \$0.89 or 32 oz for \$1.59
- 11 7 movies for \$175.99 or 2 movies for \$42.10
- 12 9 CDs for \$92.50 or 3 CDs for \$59.50



## Answer Box

A	B	C	D	E	F
12/\$2.69	3 lb/\$1.49	15 oz/\$0.89	2 lb/\$0.81	14/\$139.30	10 oz/\$0.99
G	H	I	J	K	L
3/\$59.50	32 oz/\$1.59	9/\$1.71	2/\$42.10	9/\$92.50	7 oz/\$0.59


Objective: Compare prices using unit rates to determine the better buy.

CCM7U3L1

Name \_\_\_\_\_

\*Must show all steps.

### Everyday Unit Rates Quiz

Below you will find some common everyday situations involving unit rate. Choose the correct answer for each problem. Show your work in the blank space to the right of each problem.

1. Jack bought 4 pounds of grapes for \$ 20. Find the unit price.
  - a. \$ 20
  - b. \$ 15
  - c. \$ 0.5
  - d. \$ 5
  
2. Dorothy bought 4 boxes of chocolates for \$12. Find the unit price.
  - a. \$ 3
  - b. \$ 30
  - c. \$ 48
  - d. \$ 32
  
3. Which would be the best buy?
  - a. 7 pencils for \$1.40
  - b. 6 pencils for \$1.35
  - c. 15 pencils for \$13.65
  - d. 8 pencils for \$1.70
  
4. Identify the best deal.
  - a. 27 ounces of nacho chips for \$3.51
  - b. 10 ounces of nacho chips for \$1.30
  - c. 18 ounces of nacho chips for \$2.16
  - d. 25 ounces of nacho chips for \$2.75
  
5. Sarah wants to buy tomatoes. Which is the best deal?
  - a. 15 kg for \$32.25
  - b. 4 kg for \$8.72
  - c. 2 kg for \$4.32
  - d. 5 kg for \$10.85

Name \_\_\_\_\_

6. Holly needs to buy some cloth. The following deals are available at various stores. Choose the best deal.

- a. \$16.26 per 6 yd
- b. \$13.85 per 5 yd
- c. \$11.04 per 4 yd
- d. \$19.11 per 7 yd

7. Choose the best deal for buying oranges.

- a. \$152.16 for 24 dozens
- b. \$133.77 for 21 dozens
- c. \$139.7 for 22 dozens
- d. \$158 for 25 dozens

8. Andre drives a bike for 4 hours covering 160 km. Find the distance covered by him in 7 hours.

- a. 40 km
- b. 28 km
- c. 160 km
- d. 280 km

9. A 2 fl oz bottle of orange juice costs \$8 and a 4 fl oz. bottle of orange juice costs \$12. Which is a better buy?

- a.  $\frac{1}{2}$  fl. oz.
- b. 2 fl oz.
- c. both have the same unit rate
- d. 4 fl oz.

10. A truck can travel 210 km in 3 hours. What is its average speed?

- a. 70 km/hr
- b. 65 km/hr
- c. 80 km/hr
- d. 60 km/hr