

## Chapter Quiz

Express each ratio as a fraction in simplest form.

- \$32 for 10 tickets
- 450 miles in 6 hours
- 65 contestants in 5 events

- |    | <u>RATIO</u>   | <u>UNIT RATE</u>   |
|----|----------------|--------------------|
| 1. | $\frac{16}{5}$ | $\frac{\$3.20}{1}$ |
| 2. | $\frac{75}{1}$ | 75                 |
| 3. | $\frac{13}{1}$ | 13                 |

Simplify.

- $\frac{1}{4}$
- $\frac{1}{6}$
- $\frac{1}{5}$
- $\frac{1}{7}$
- $\frac{24}{6}$
- $\frac{6}{9}$

- $\frac{1}{24}$
- $\frac{7}{5}$
- $\frac{4}{9}$

Complete each conversion. Round to the nearest hundredth.

- 19 in.  $\approx$  \_\_\_\_\_ cm
- 9 qt  $\approx$  \_\_\_\_\_ L
- 6 mi = \_\_\_\_\_ ft
- 20 hr = \_\_\_\_\_ s
- Which is less expensive per ounce, 16 ounces of Colby cheese for \$7.75 or 24 ounces of American cheese for \$10.25? Explain.

- \_\_\_\_\_
- \_\_\_\_\_
- 31,600 ft
- 72,000 sec

AMERICAN CHEESE = \$0.43/oz  
 COLBY CHEESE = \$0.48/oz

- Ava drove 210 miles in 3.5 hours. At this same rate, how far will she drive in 6 hours?
- Is the set of numbers in the table proportional? If the relationship is proportional, identify the constant of proportionality.

- 360 mi
- YES, IT IS PROPORTIONAL

Checks Written	3	6	9	12
Bank Fee (\$)	3.75	7.50	11.25	15.00

- CONSTANT OF PROPORTIONALITY = 1.25

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