

REVIEW: Rates

Name _____

Key Concept and Vocabulary

A **rate** is a ratio of two quantities using different units.

You pay \$12 for 4 hot dogs.



Rate = \$12 : 4 hot dogs

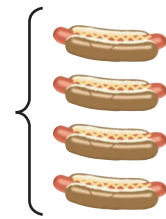
Unit Rate = \$3 : 1 hot dog



Visual Model

Rate:

\$12 : 4 hot dogs



Unit rate:

\$3 : 1 hot dog

Skill Examples

- You drive 100 miles in 2 hours.
Your unit rate is 50 miles per hour.
- You earn \$40 in 5 hours.
Your unit rate is \$8 per hour.
- You save \$240 in 6 months.
Your unit rate is \$40 per month.

Application Example

- Janice grew 8 inches in 4 years. What was her unit rate?

Inches	8	2
Years	4	1

$\div 4$

$\div 4$

Her unit rate is 2 inches per year.

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Check your answers at BigIdeasMath.com.

Write a rate for the situation. Then find the unit rate.

- You fly 2000 miles in 4 hours.
- You pay \$15 for 3 pizzas.
- You pay \$4 sales tax on 5 identical items.
- You earn \$50 for mowing 5 lawns.

_____	_____
Rate	Unit Rate
_____	_____
Rate	Unit Rate
_____	_____
Rate	Unit Rate
_____	_____
Rate	Unit Rate

Decide whether the rates are equivalent.

- Maria saves \$50 in 4 months.
Ralph saves \$60 in 5 months

- John rides his bicycle 36 miles in 3 hours.
Randy rides his bicycle 30 miles in 2.5 hours.

- Kim earns \$400 for working 40 hours.
Sam earns \$540 for working 45 hours.

- Arlene scores 450 points on 5 tests.
Jolene scores 180 points on 2 tests.
