

**SKILL**  
**13** **Skills Readiness**  
**Rates and Unit Rates**

Rate	Unit Rate
Definition: A rate is a ratio that compares two quantities that have different units of measure.	Definition: A unit rate is a rate in which the second term is 1.
Example 1: \$3.60 per dozen oranges Example 2: traveling 100 miles in 2 hours	Example 1: 30¢ per orange Example 2: traveling 50 miles per hour

How to write a rate as a unit rate:

**Step 1:** Divide the first term of the rate by the second term of the rate.

**Step 2:** Rewrite the rate as a quantity per unit of time or per item.

Example: Write “120 students for every 4 buses” as a unit rate.

**Step 1:**  $120 \div 4 = 30$

**Step 2:** Rewrite the rate as “30 students per bus” or 30 students/bus.

Note: When unit rates involve money, they are also referred to as unit prices.

**Practice on Your Own**

Find each unit rate.

1. 348 miles in 6 hours

2. 520 calories in 2 servings

3. \$10 for 4 hours

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4. 200 homes in 4 subdivisions

5. 80 miles for 8 gallons of gas

6. \$3.75 for 5 pens

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7. 18 grams of fat in 4 ounces

8. 150 francs in 25 dollars

9. \$5.75 for 100 copies

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**Check**

Find each unit rate.

10. 6000 trees in 20 acres

11. \$180 for 4 credit hours

12. 5 km in 20 minutes

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13. 960 miles in 12 hours

14. 96 books on 6 shelves

15. \$4.00 for 5 rides

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