6-2 Using a Ratio to Express a Rate *(page 213)*

Writing About Mathematics

1. A rate, like a ratio, is a comparison of two quantities, but these quantities may have different units of measure.
2. A ratio is written without units of measure, but a rate contains units. When 1 is the second term of a rate, it is usually omitted.

Developing Skills

3. 2 apples per person (2 apples/person)
4. 8 patients per nurse (8 patients/nurse)
5. \$0.50 per liter (\$0.50/L)
6. 6 cents per gram (6¢/g)
7. \$0.33 per ounce $\left(\frac{1}{3} \text{ dollar/oz}\right)$
8. 0.62 mile per kilometer (0.62 mi/km)

Applying Skills

9. 57.5 miles per hour (57.5 mi/hr)
10. 4.5 miles per hour (4.5 mi/hr)
11. 32 miles per hour (32 mi/hr)
12. 124 miles per hour (124 mi/hr)
13. 3 balls per can (3 balls/can)
14. 8 cents per ounce (8¢/oz)
15. **a.** 3.5 cents per ounce (3.5¢/oz)
b. 3.3 cents per ounce (3.3¢/oz)
c. Giant size
16. Johanna
17. Ronald