

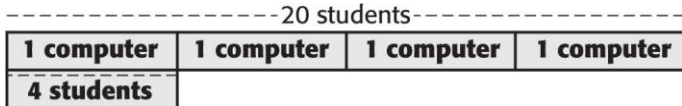
Lesson 3 Reteach

Rates

A **rate** is a ratio of two measurements having different kinds of units. When a rate is simplified so that it has a denominator of 1, it is called a **unit rate**.

Example 1

Use a bar diagram to show the ratio *20 students to 5 computers* as a unit rate.



The bar diagram shows the number of students divided by the number of computers. It represents the number of students per computer.

The ratio written as a unit rate is *4 students to 1 computer*.

You can also find a unit rate by dividing.

Example 2

Benito ate 48 raisins in 8 minutes. How many raisins did he eat per minute, if he ate the same number each minute?

$$\frac{48 \text{ raisins}}{8 \text{ minutes}} = \frac{6 \text{ raisins}}{1 \text{ minute}}$$

Divide the numerator and denominator by 8 to get a denominator of 1.

The unit rate is 6 raisins per minute.

Exercises

Write each rate as a unit rate.

1. 6 eggs for 3 people
2. \$12 for 4 pounds
3. 40 pages in 8 days
4. **GROCERIES** Mr. Gonzalez spends \$135 for 5 bags of groceries. How much does he spend per bag of groceries, if each bag costs the same?
5. **TRAIN** Ms. Terry travels by train to see famous theme parks. She travels a distance of 728 miles in 8 hours. If the train maintains a constant speed, how many miles does she travel in one hour?
6. **FOOTBALL** A quarterback throws 222 yards in 6 games. How many yards does he throw in one game if he throws the same amount in each game?