

Practice A

For use with pages 180–186

Find the unit rate.

- \$2 for 5 cans of vegetables
- \$67.50 for 3 concert tickets
- \$2.39 for 10 apples
- 14 cups of flour for 4 loaves of bread
- 32 ounces for 4 servings
- 144 bottles in 12 cartons

Find the average speed.

- Fly 780 miles in 2 hours
- Drive 1440 miles in 3 days
- Walk 1.2 miles in $\frac{1}{4}$ hour
- Read 115 pages in 2.5 hours
- Swim 3 kilometers in 40 minutes
- Mow 6 acres in 4 hours

Write each decimal or fraction as a percent.

- 0.2
- 0.45
- $\frac{1}{4}$
- $\frac{3}{5}$
- 1.38
- 0.085
- $\frac{3}{2}$
- $\frac{7}{8}$

- Concert Tickets** A concert sold out in 6 hours. A total of 9000 tickets were sold for the concert. At what rate did the tickets sell?
- Snowfall** The record for snowfall in a 24-hour period is 76 inches at Silver Lake, Colorado, on April 14–15, 1921. At what rate did the snow fall on that day? Write the answer as a mixed number.
- Ballooning** It took 86 hours for Joe Kittinger to cross the Atlantic in his balloon, *Rosie O'Grady*, a distance of 3543 miles. What was the average speed of the balloon? Round to the nearest tenth.
- Building a Model Railroad** On an N-gauge model train set, a refrigerator car is 4.5 inches long. An actual refrigerator car is 60 feet long. What is the ratio of the length of the actual refrigerator car to the length of the model refrigerator car?
- Tipping** You received \$9 as a tip from customers with a bill of \$56. What percent tip did you receive?

In Exercises 26 and 27, use the information given.

You have recorded your car mileage and gasoline use for several weeks.

Week	1	2	3	4
Number of miles	320	195	240	275
Number of gallons	12.4	7.3	9.6	10.7

- Find the average consumption in miles per gallon for the 4-week period.
- Use your answer to Exercise 26 to estimate the number of miles you can drive on 15 gallons of gasoline.