

Big Ideas Math ©2014 Green
Section 5.3 Exercises
Rates

Exercise 2

Which is different? Find "both" answers.

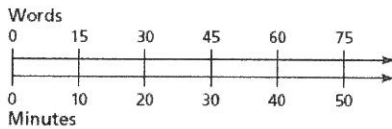


- What is the cost per bagel?
- What is the cost per dozen bagels?
- What is the unit cost of a bagel?
- How much does each bagel cost?

The answer to the chosen question is \$. The answer to each of the three questions not chosen is \$.

Exercise 3

Complete the rates.

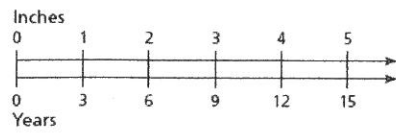


word(s) for every 30 minutes

75 words for every minute(s)

Exercise 5

Complete the rates.



inch(es) for every 12 years

1 inch for every year(s)

Exercise 7

Write a unit rate for the situation.

\$28 saved in 4 weeks

\$ per week

Exercise 9

Write a unit rate for the situation.

270 miles in 6 hours

miles per hour

Exercise 11

Write a unit rate for the situation.

2520 kilobytes in 18 seconds

kilobytes per second

Exercise 13

Write a unit rate for the situation.

1080 miles on 15 gallons

miles per gallon

Exercise 15

Lightning strikes Earth 1000 times in 10 seconds. How many times does lightning strike per second?

Lightning strikes time(s) per second.

Exercise 17

You earn \$35 for washing 7 cars. How much do you earn for washing 4 cars?

You earn \$ for washing 4 cars.

Exercise 19

Decide whether the rates are equivalent.

24 laps in 6 minutes

72 laps in 18 minutes

- Equivalent
- Not equivalent

Exercise 21

Decide whether the rates are equivalent.

15 breaths every 36 seconds

90 breaths every 3 minutes

- Equivalent
- Not equivalent

Exercise 28

Choose the two fractions that are equivalent to $\frac{1}{3}$.

- $\frac{2}{6}$
- $\frac{3}{15}$
- $\frac{5}{6}$
- $\frac{3}{9}$

Exercise 29

Choose the two fractions that are equivalent to $\frac{5}{6}$.

- $\frac{22}{24}$
- $\frac{10}{18}$
- $\frac{10}{12}$
- $\frac{20}{24}$

