

Unit Rate and Unit Price Extra Practice

1. You bike 39 miles in 5 hour.
Find the Unit Rate in miles per hour.

3. For 8 books, you spend \$19.20.
Find the Unit Price in dollars per book.

5. You type 63 words in 2.5 minutes
Find the Unit Rate in words per minute.

7. Apples cost \$3.00 for 6 apples.
Find the Unit Price in dollars per apple.

Name _____

2. You buy 12 pencils for \$15.36.
Find the Unit Price in dollars per pencil.

4. You score 84 points in 7 games.
Find the Unit Rate in points per game.

6. You pay \$88.50 for 6 T-Shirts.
Find the Unit Price in dollars per T-Shirt.

8. You make 56 muffins for 28 people.
Find the Unit Rate in muffins per person.

Which is the Better Buy? (Cheapest per Item)

9. 4 pairs of socks that cost \$5.04 or 7 pairs of socks that cost \$8.54

10. \$44.48 for 16 gallons of gas or \$31.57 for 11 gallons of gas

11. Which is the better buy?

6 shirts for \$25.50

4 shirts for \$18.00

5 shirts for \$21

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12. Erica babysits for 4.5 hours and is paid \$27.

Find the Unit Price in dollars per hour

How much would she make in 8 hours?

13. David hikes 2.25 miles in 0.5 hours.

Find the Unit Rate in miles per hour

How far would he hike in 18 hours?

14. Lauren took 12 hours to read 360 pages in a book.

Find the Unit Rate in pages per hour

How many pages will she read in 5.5 hours?

15. A machine makes 5 T-Shirts in 20 minutes.
Find the Unit Rate in T-Shirts per minute

How many T-Shirts can be made in 1 day?

16. Betsy ate 7 crackers in 20 seconds.
Find the Unit Rate in crackers per second

How many crackers could she eat in 3 minutes?

17. Betsy walked 5 miles in 2 hours.
Find the Unit Rate in miles per hour

How far can she walk in 15 minutes?

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Unit Rate and Unit Price Extra Practice

1. You bike 39 miles in 5 hour.
Find the Unit Rate in miles per hour.

$$\frac{39 \text{ miles}}{5 \text{ hours}} = \frac{7.8 \text{ miles}}{1 \text{ hour}}$$

(Handwritten: 39 miles divided by 5, 5 hours divided by 5)

3. For 8 books, you spend \$19.20.
Find the Unit Price in dollars per book.

$$\frac{\$19.20}{8 \text{ books}} = \frac{\$2.40}{1 \text{ book}}$$

(Handwritten: \$19.20 divided by 8, 8 books divided by 8)

5. You type 63 words in 2.5 minutes
Find the Unit Rate in words per minute.

$$\frac{63 \text{ words}}{2.5 \text{ min}} = \frac{25.2 \text{ words}}{1 \text{ min}}$$

(Handwritten: 63 words divided by 2.5, 2.5 min divided by 2.5)

7. Apples cost \$3.00 for 6 apples.
Find the Unit Price in dollars per apple.

$$\frac{\$3.00}{6 \text{ apples}} = \frac{\$0.50}{1 \text{ apples}}$$

(Handwritten: \$3.00 divided by 6, 6 apples divided by 6)

Name _____

Key

2. You buy 12 pencils for \$15.36.
Find the Unit Price in dollars per pencil.

$$\frac{\$15.36}{12 \text{ pencils}} = \frac{\$1.28}{1 \text{ pencil}}$$

(Handwritten: \$15.36 divided by 12, 12 pencils divided by 12)

4. You score 84 points in 7 games.
Find the Unit Rate in points per game.

$$\frac{84 \text{ points}}{7 \text{ games}} = \frac{12 \text{ points}}{1 \text{ game}}$$

(Handwritten: 84 points divided by 7, 7 games divided by 7)

6. You pay \$88.50 for 6 T-Shirts.
Find the Unit Price in dollars per T-Shirt.

$$\frac{\$88.50}{6 \text{ T-Shirts}} = \frac{\$14.75}{1 \text{ T-Shirt}}$$

(Handwritten: \$88.50 divided by 6, 6 T-Shirts divided by 6)

8. You make 56 muffins for 28 people.
Find the Unit Rate in muffins per person.

$$\frac{56 \text{ muffins}}{28 \text{ people}} = \frac{2 \text{ muffins}}{1 \text{ person}}$$

(Handwritten: 56 muffins divided by 28, 28 people divided by 28)

Which is the Better Buy? (Cheapest per Item)

9. 4 pairs of socks that cost \$5.04 or 7 pairs of socks that cost \$8.54

$$\frac{\$5.04}{4 \text{ pairs}} = \frac{\$1.26}{1 \text{ pair}}$$

$$\frac{\$8.54}{7 \text{ pairs}} = \frac{\$1.22}{1 \text{ pair}}$$

10. \$44.48 for 16 gallons of gas or \$31.57 for 11 gallons of gas

$$\frac{\$44.48}{16 \text{ gallons}} = \frac{\$2.78}{1 \text{ gallon}}$$

$$\frac{\$31.57}{11 \text{ gallons}} = \frac{\$2.87}{1 \text{ gallon}}$$

11. Which is the better buy?

6 shirts for \$25.50

$$\frac{\$25.50}{6 \text{ shirts}} = \frac{\$4.25}{1 \text{ shirt}}$$

4 shirts for \$18.00

$$\frac{\$18.00}{4 \text{ shirts}} = \frac{\$4.50}{1 \text{ shirt}}$$

5 shirts for \$21

$$\frac{\$21.00}{5 \text{ shirts}} = \frac{\$4.20}{1 \text{ shirt}}$$

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12. Erica babysits for 4.5 hours and is paid \$27.

Find the Unit Price in dollars per hour

$$\frac{\$27.00}{4.5 \text{ hours}} = \frac{\$6.00}{1 \text{ hour}} = \frac{\$48.00}{8 \text{ hours}}$$

Handwritten annotations: $\div 4.5$ (above), $\times 8$ (above), $\div 4.5$ (below), $\times 8$ (below)

How much would she make in 8 hours?

\$48.00 in 8 hours

13. David hikes 2.25 miles in 0.5 hours.

Find the Unit Rate in miles per hour

$$\frac{2.25 \text{ miles}}{0.5 \text{ hours}} = \frac{4.5 \text{ miles}}{1 \text{ hour}} = \frac{81 \text{ miles}}{18 \text{ hours}}$$

Handwritten annotations: $\times 2$ (above), $\times 18$ (above), $\times 2$ (below), $\times 18$ (below)

How far would he hike in 18 hours?

81 miles in 18 hours

14. Lauren took 12 hours to read 360 pages in a book.

Find the Unit Rate in pages per hour

$$\frac{360 \text{ pages}}{12 \text{ hours}} = \frac{30 \text{ pages}}{1 \text{ hour}} = \frac{165 \text{ pages}}{5.5 \text{ hours}}$$

Handwritten annotations: $\div 12$ (above), $\times 5.5$ (above), $\div 12$ (below), $\times 5.5$ (below)

How many pages will she read in 5.5 hours?

165 pages in 5.5 hours

15. A machine makes 5 T-Shirts in 20 minutes.

Find the Unit Rate in T-Shirts per minute

$$\frac{5 \text{ T-Shirts}}{20 \text{ minutes}} = \frac{0.25 \text{ T-Shirts}}{1 \text{ minute}}$$

How many T-Shirts can be made in 1 day?

$$\frac{0.25 \text{ T-Shirts}}{1 \text{ minute}} = \frac{15 \text{ T-Shirts}}{60 \text{ min}} = \frac{360 \text{ T-Shirts}}{24 \text{ hrs}} = \frac{360 \text{ T-Shirts}}{1 \text{ day}}$$

360 T-Shirts in 1 day

16. Betsy ate 7 crackers in 20 seconds.

Find the Unit Rate in crackers per second

$$\frac{7 \text{ crackers}}{20 \text{ seconds}} = \frac{0.35 \text{ crackers}}{1 \text{ second}}$$

How many crackers could she eat in 3 minutes?

$$\frac{0.35 \text{ crackers}}{1 \text{ second}} = \frac{21 \text{ crackers}}{60 \text{ sec}} = \frac{63 \text{ crackers}}{3 \text{ min}}$$

63 crackers in 3 minutes

17. Betsy walked 5 miles in 2 hours.

Find the Unit Rate in miles per hour

$$\frac{5 \text{ miles}}{2 \text{ hours}} = \frac{2.5 \text{ miles}}{1 \text{ hour}} = \frac{0.625 \text{ miles}}{15 \text{ min}}$$

How far can she walk in 15 minutes?

0.625 miles in 15 minutes