Unit rates with customary units: miles per hour and price per pound worksheet – Grade 6

Grade 6 · Mixed level · Mastery worksheet · 25 questions · **Version X53735**

Name: _____ Date: _____ Score: ___ / 25

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A Fill in the answer

Work out each answer and write it on the line.

1. A car drives 150 miles in 6 hours at a steady speed. How many miles per hour is that?

   Answer: _____

2. 5 pounds of apples cost $\$6.25$. What is the price per pound?

   Answer: _____

3. A bus travels at 50 miles per hour. How far does it go in 2.5 hours?

   Answer: _____

4. A car drives 225 miles in 5 hours at a steady speed. How many miles per hour is that?

   Answer: _____

B Choose the answer

Circle the letter of the right answer.

5. A hose fills a pool at 6 gallons per minute. How many gallons does it put in the pool in 9 minutes?

   A. 108 **B.** 84 **C.** 51 **D.** 54

6. Liam's car goes 30 miles on 1 gallon of gas and its tank holds 12 gallons. On a full tank, how many miles are left after a 250-mile trip?

   A. 170 **B.** 122 **C.** 110 **D.** 220

7. A train moves at 75 miles per hour. How many feet per second is that? (1 mile = 5,280 feet, 1 hour = 3,600 seconds)

   A. 110 **B.** 220 **C.** 104 **D.** 116

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8. A leaky faucet drips 4 cups of water each hour. How many gallons drip in 12 hours? (16 cups = 1 gallon)

   A. 13 **B.** 3 **C.** 5 **D.** 4

9. 5 pounds of apples cost $\$8.75$. What is the price per pound?

   A. $\$1.75$ **B.** $\$2.75$ **C.** $\$11.75$ **D.** $\$0.75$

C Choose all that apply

There is more than one right answer. Circle every one.

10. Circle every problem whose answer is greater than 31.

    A. A hose fills a pool at 4 gallons per minute. How many gallons does it put in the pool in 7 minutes?

    B. A bus travels at 40 miles per hour. How far does it go in 2.5 hours?

    C. A leaky faucet drips 2 cups of water each hour. How many gallons drip in 8 hours? (16 cups = 1 gallon)

    D. A hose fills a pool at 8 gallons per minute. How many gallons does it put in the pool in 8 minutes?

    E. A car drives 140 miles in 4 hours at a steady speed. How many miles per hour is that?

11. Circle every problem whose answer is greater than 50.

    A. A bus travels at 70 miles per hour. How far does it go in 3.5 hours?

    B. A leaky faucet drips 8 cups of water each hour. How many gallons drip in 8 hours? (16 cups = 1 gallon)

    C. A hose fills a pool at 8 gallons per minute. How many gallons does it put in the pool in 5 minutes?

    D. A car drives 120 miles in 2 hours at a steady speed. How many miles per hour is that?

    E. A bus travels at 60 miles per hour. How far does it go in 2.5 hours?

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D True or false

Check each answer. Tick True or False for every row.

12. Is each answer correct? Tick True or False.

	True	False
Ethan's car goes 26 miles on 1 gallon of gas and its tank holds 12 gallons. On a full tank, how many miles are left after a 200-mile trip? Answer: 112	☐	☐
6 pounds of apples cost $\$7.50$. What is the price per pound? Answer: $\$2.25$	☐	☐
A train moves at 15 miles per hour. How many feet per second is that? (1 mile = 5,280 feet, 1 hour = 3,600 seconds) Answer: 22	☐	☐

13. Is each answer correct? Tick True or False.

	True	False
Leah's car goes 30 miles on 1 gallon of gas and its tank holds 14 gallons. On a full tank, how many miles are left after a 150-mile trip? Answer: 270	☐	☐
3 pounds of apples cost $\$2.25$. What is the price per pound? Answer: $\$1.75$	☐	☐
A train moves at 45 miles per hour. How many feet per second is that? (1 mile = 5,280 feet, 1 hour = 3,600 seconds) Answer: 66	☐	☐

E Spot the mistake

Decide if the answer is right, then explain how you know.

14. Ava's car goes 33 miles on 1 gallon of gas and its tank holds 13 gallons. On a full tank, how many miles are left after a 200-mile trip? Amara says the answer is 229. Is Amara right? Explain how you know.

A. Yes **B.** No

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15. 6 pounds of apples cost $\$10.50$. What is the price per pound? Amara says the answer is $\$1.85$. Is Amara right? Explain how you know.

A. Yes **B.** No

BECAUSE...

F Match

Solve each problem, then tick the letter of its answer.

16. Answers to choose from:

A 44 **B** 190 **C** 18 **D** 3

	A	B	C	D
A leaky faucet drips 2 cups of water each hour. How many gallons drip in 24 hours? (16 cups = 1 gallon)	☐	☐	☐	☐
A train moves at 30 miles per hour. How many feet per second is that? (1 mile = 5,280 feet, 1 hour = 3,600 seconds)	☐	☐	☐	☐
A hose fills a pool at 3 gallons per minute. How many gallons does it put in the pool in 6 minutes?	☐	☐	☐	☐
Emma's car goes 29 miles on 1 gallon of gas and its tank holds 10 gallons. On a full tank, how many miles are left after a 100-mile trip?	☐	☐	☐	☐

17. Answers to choose from:

A 6 **B** 20 **C** $\$1.75$ **D** 90

	A	B	C	D
A car drives 60 miles in 3 hours at a steady speed. How many miles per hour is that?	☐	☐	☐	☐
2 pounds of apples cost $\$3.50$. What is the price per pound?	☐	☐	☐	☐
A bus travels at 60 miles per hour. How far does it go in 1.5 hours?	☐	☐	☐	☐
A leaky faucet drips 8 cups of water each hour. How many gallons drip in 12 hours? (16 cups = 1 gallon)	☐	☐	☐	☐

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G Put in order

Solve, then write the letters in order.

18. Work out each answer. Then write the letters in order, from the smallest answer to the largest.

    P. A train moves at 60 miles per hour. How many feet per second is that? (1 mile = 5,280 feet, 1 hour = 3,600 seconds) _____

    Q. Ava's car goes 29 miles on 1 gallon of gas and its tank holds 12 gallons. On a full tank, how many miles are left after a 250-mile trip? _____

    R. A hose fills a pool at 4 gallons per minute. How many gallons does it put in the pool in 6 minutes? _____

    Order: _____ , _____ , _____

19. Work out each answer. Then write the letters in order, from the smallest answer to the largest.

    P. A car drives 40 miles in 2 hours at a steady speed. How many miles per hour is that? _____

    Q. A bus travels at 50 miles per hour. How far does it go in 1.5 hours? _____

    R. A leaky faucet drips 4 cups of water each hour. How many gallons drip in 8 hours? (16 cups = 1 gallon) _____

    Order: _____ , _____ , _____

I Word problems

Show how you worked out each answer in the box.

20. Mateo's car goes 32 miles on 1 gallon of gas and its tank holds 11 gallons. On a full tank, how many miles are left after a 350-mile trip?

    SHOW YOUR WORK

    Answer: _____

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21. A hose fills a pool at 7 gallons per minute. How many gallons does it put in the pool in 4 minutes?

SHOW YOUR WORK

Answer: _____

22. A bus travels at 50 miles per hour. How far does it go in 3.5 hours?

SHOW YOUR WORK

Answer: _____

23. A leaky faucet drips 8 cups of water each hour. How many gallons drip in 24 hours? (16 cups = 1 gallon)

SHOW YOUR WORK

Answer: _____

24. A car drives 130 miles in 2 hours at a steady speed. How many miles per hour is that?

SHOW YOUR WORK

Answer: _____

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J Challenge

A harder problem. Take your time.

25. Jayden's car goes 35 miles on 1 gallon of gas and its tank holds 11 gallons. On a full tank, how many miles are left after a 200-mile trip?

SHOW YOUR WORK

Answer: _____

Score by section: A ___/4 · B ___/5 · C ___/2 · D ___/2 · E ___/2 · F ___/2 · G ___/2 · I ___/5 · J ___/1

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