

Grade 6 - Unit Rates and Rate Language - Test Answer Key

Common Core 6.RP.A.2, 6.RP.A.3b · maths-pdf.fr/en/

This **grade 6 unit rates test answers** for 6th Grade covers unit rates and rate language (Common Core 6.RP.A.2, 6.RP.A.3b), with a free PDF to print.

Use this key to score the unit rates test out of 20 points. Each solution is fully worked, and the scoring line explains how to award each point and partial credit for correct steps.

Grade 6 · Common Core State Standards: **6.RP.A.2, 6.RP.A.3b**

Grade 6 unit rates test answers: worked solutions

Question 1 - Unit rate [2 pts]

$$\$14.40 \div 6 = \$2.40$$

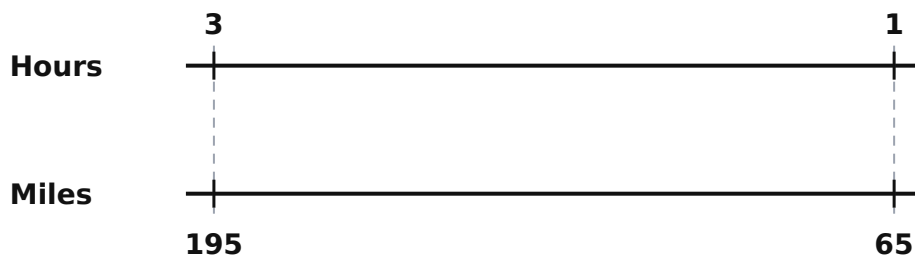
The cost is \$2.40 per pound.

Scoring: 1 point for dividing cost by pounds; 1 point for the correct unit rate with units.

Question 2 - Speed [2 pts]

$$195 \div 3 = 65$$

The speed is 65 miles per hour.



Dividing by 3.

Scoring: 1 point for dividing; 1 point for 65 with units.

Question 3 - Using a unit rate [2 pts]

$$18 \times 12 = 216$$

The printer prints 216 pages.

Scoring: 1 point for multiplying the rate by the time; 1 point for 216.

Question 4 - Better buy [2 pts]

16 ounces: $\$2.88 \div 16 = \$0.18$ per ounce.

24 ounces: $\$3.84 \div 24 = \$0.16$ per ounce.

The 24-ounce bottle costs less per ounce, so it is the better buy.

Scoring: 1 point for both unit prices; 1 point for the correct choice.

Question 5 - Fraction rate [2 pts]

$$\frac{1}{2} \div \frac{1}{4} = \frac{1}{2} \times 4 = 2$$

The snail crawls 2 feet per hour.

Scoring: 1 point for the division setup; 1 point for 2 feet per hour.

Question 6 - Table of a rate [2 pts]

$\$12.00 \div 3 = \$4.00$ per cup (check $\$20.00 \div 5 = \$4.00$).

$\$4.00 \times 11 = \$44.00$

One cup costs \$4.00; 11 cups cost \$44.00.

Cups	1	11
Cost	\$4	\$44

One cup costs \$4.

Scoring: 1 point for the unit price; 1 point for the cost of 11 cups.

Question 7 - Compare paces [2 pts]

Noah: $18 \div 1.5 = 12$ miles per hour.

Ethan: $26 \div 2 = 13$ miles per hour.

13 is greater than 12, so Ethan bikes faster.

Scoring: 1 point for both speeds; 1 point for the correct conclusion.

Question 8 - Shopping plan [3 pts]

Cost per egg: $\$3.60 \div 12 = \$0.30$.

Cost of 30 eggs: $\$0.30 \times 30 = \$9.00$.

Change: $\$20.00 - \$9.00 = \$11.00$.

Scoring: 1 point for the unit price; 1 point for the cost of 30 eggs; 1 point for the change.

Question 9 - Road trip [3 pts]

$270 \div 5 = 54$ miles per hour.

$702 \div 54 = 13$ hours.

Scoring: 1 point for the speed; 1 point for the division setup; 1 point for 13 hours.

Total score

Total

20 points

Key facts behind this grade 6 unit rates test answers

Key facts

- A unit rate has 1 in the second quantity, such as miles per 1 hour.

- Divide the first quantity by the second to find a unit rate.
- The word per means for each one.
- The lower unit price is the better buy when units match.
- Distance = rate x time at a constant speed.

How to use this grade 6 unit rates test answers

Score your test with the point values shown for each question. Then read the worked solution of every question where you lost points and note the method to review.