

Grade 6 - Percent as a Rate per 100 - Test Answer Key

Common Core 6.RP.A.3c · maths-pdf.fr/en/

This **percent test answers** for 6th Grade covers percent as a rate per 100 (Common Core 6.RP.A.3c), with a free PDF to print.

Use this key to score the percent 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 reasoning.

Grade 6 · Common Core State Standards: **6.RP.A.3c**

Percent test answers: worked solutions

Question 1 - Percent as a rate [2 pts]

62% and $\frac{62}{100} = \frac{31}{50}$.

Scoring: 1 point for 62%; 1 point for 31/50.

Question 2 - Find a percent of a quantity [2 pts]

(a) $0.20 \times 90 = 18$.

(b) $0.75 \times 48 = 36$.

Scoring: 1 point for each part.

Question 3 - Part to percent [2 pts]

$\frac{36}{60} = \frac{3}{5} = \frac{60}{100}$.

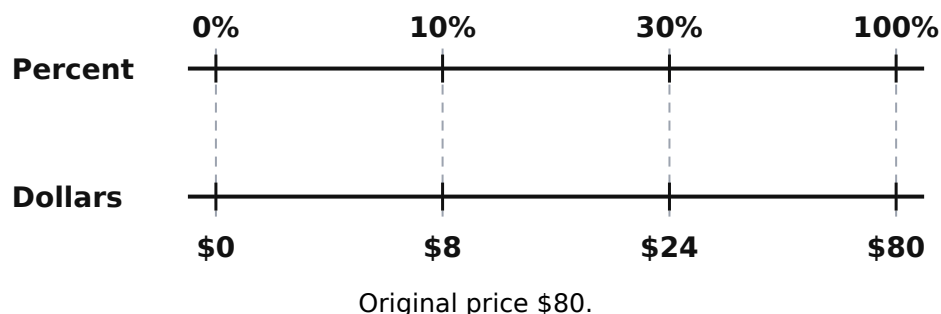
She has read 60% of the book.

Scoring: 1 point for the fraction; 1 point for 60%.

Question 4 - Find the whole [2 pts]

$24 \div 30 = 0.8$ dollars per percent, so $0.8 \times 100 = 80$.

The original price was \$80.00.



Scoring: 1 point for the unit step; 1 point for \$80.

Question 5 - Tip [2 pts]

$0.20 \times 24 = 4.8$, so the tip is \$4.80.

$\$24.00 + \$4.80 = \$28.80$

Scoring: 1 point for the tip; 1 point for the total.

Question 6 - Sale [2 pts]

Discount: $0.25 \times 48 = 12$.

Sale price: $\$48.00 - \$12.00 = \$36.00$.

Scoring: 1 point for the discount; 1 point for \$36.

Question 7 - Percent greater than 100 [2 pts]

$1.20 \times 40 = 48$.

The store sold 48 notebooks.

Scoring: 1 point for using 1.20; 1 point for 48.

Question 8 - Compare scores [3 pts]

Science: $\frac{42}{50} = \frac{84}{100} = 84\%$.

Math: $\frac{33}{40} = \frac{82.5}{100} = 82.5\%$.

She did better on the science quiz.

Scoring: 1 point for each percent; 1 point for the conclusion.

Question 9 - Multi-step percent [3 pts]

Saved: $0.40 \times 200 = 80$.

Gift: $0.15 \times 200 = 30$.

Total: $\$80.00 + \$30.00 = \$110.00$. Still needed: $\$200.00 - \$110.00 = \$90.00$.

Goal	200				
Savings	40	40	40	40	40

He has saved \$80 so far.

Scoring: 1 point for each amount of money; 1 point for \$90.

Total score

Total

20 points

Key facts behind this percent test answers

Key facts

- Percent means per 100: $35\% = 35/100 = 0.35$.
- To find a percent of a number, multiply by the decimal or fraction form.
- 10%, 25%, and 50% are quick benchmarks: one tenth, one quarter, and one half.
- To find the whole, use a tape diagram or divide the part by the percent.
- Discounts are subtracted; tips and tax are added.

How to use this percent 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.