

Grade 6 - Percent as a Rate per 100 - Quiz

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

Name: _____ Class: _____ Date: ____/____/____

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

This quiz has 10 multiple-choice questions on percents of quantities, finding the whole, discounts, and tax (Common Core 6.RP.A.3c). Choose one answer and read each explanation to find your mistakes.

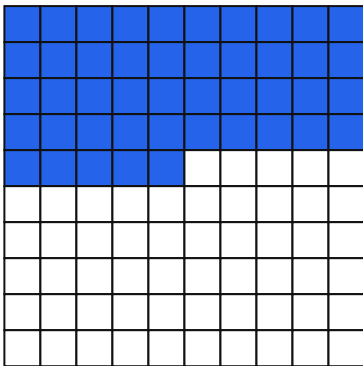
Grade 6 · Common Core State Standards: **6.RP.A.3c**

Percent quiz: 10 questions

Questions

Question 1

What percent of the grid is shaded?



Grid.

- A. 4.5%
- B. 45%
- C. 55%
- D. 0.45%

Question 2

What is 25% of 80?

- A. 25
- B. 55
- C. 20

D. 2

Question 3

Which fraction equals 60%?

- A. $\frac{6}{5}$
- B. $\frac{3}{5}$
- C. $\frac{3}{10}$
- D. $\frac{60}{10}$

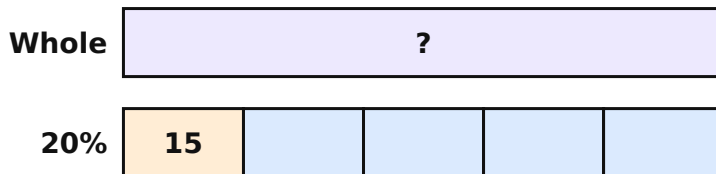
Question 4

A shirt costs \$40 and is 30% off. What is the sale price?

- A. \$12
- B. \$10
- C. \$37
- D. \$28

Question 5

15 is 20% of what number?



One part is 20%.

- A. 3
- B. 30
- C. 300
- D. 75

Question 6

Maya got 18 of 20 problems right. What percent is that?

- A. 18%
- B. 90%
- C. 80%
- D. 10%

Question 7

The tax rate is 6%. What is the tax on a \$50 purchase?

- A. \$3
- B. \$6

- C. \$30
- D. \$0.30

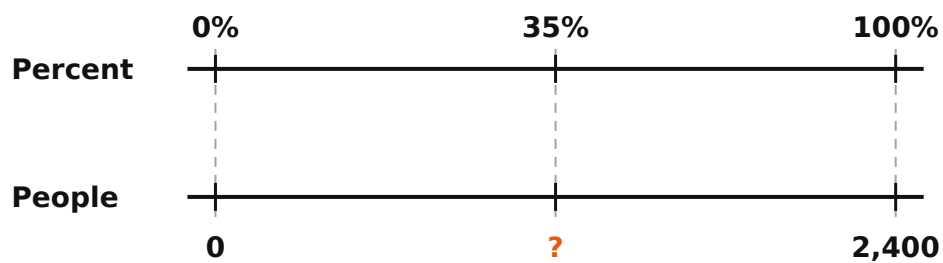
Question 8

Which is greater?

- A. 30% of 80
- B. 25% of 100
- C. 60% of 50
- D. 10% of 200

Question 9

A town has 2,400 people and 35% are under 18. How many are under 18?



Town population.

- A. 840
- B. 84
- C. 8,400
- D. 2,365

Question 10

Liam says 150% of 20 is 15. What is the correct value?

- A. 30
- B. 15
- C. 3
- D. 170

Answers

1. **B** - 45 of 100 squares are shaded, so 45%. 55% would be the unshaded part.
2. **C** - $25\% = \frac{1}{4}$, so $(80 \div 4 = 20)$. Subtracting 25 gives 55, which is not a percent.
3. **B** - $60\% = 60 \div (100 \div 3) \div 5$. $6 \div 5$ is 120% and $3 \div 10$ is 30%.
4. **D** - Discount = $(0.30 \times 40 = \$12)$, so $(\$40 - \$12 = \$28)$. \$12 is only the discount.
5. **D** - $20\% = \frac{1}{5}$, so $(15 \times 5 = 75)$. Dividing 15 by 5 (3) finds 20% of 15.
6. **B** - $18 \div (20 \div 9) \div (100 \div 9)\%$. The 10% is the percent she got wrong.
7. **A** - $(0.06 \times 50 = 3)$.
8. **C** - 60% of $(50 = 30)$; 30% of $(80 = 24)$; 25% of $(100 = 25)$; 10% of $(200 = 20)$.
9. **A** - $(0.35 \times 2,400 = 840)$. Adding 35 to 2,400 would be wrong.
10. **A** - $150\% = 1.5$, so $(1.5 \times 20 = 30)$. A percent over 100 gives more than the original amount.

Remember

Remember

- 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 quiz

Answer each question, read the explanation that appears, and keep track of your score. A score of 8 out of 10 or more means you are ready for the test.

Download the percent quiz as a PDF with the button below and keep it with your notes.