

Grade 6 - Percent as a Rate per 100 - Test

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

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

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

This 45-minute test has 9 questions worth 20 points. It covers percent as a rate per 100, finding a percent of a quantity, finding the whole, discounts, tips, and tax (Common Core 6.RP.A.3c). Show your work.

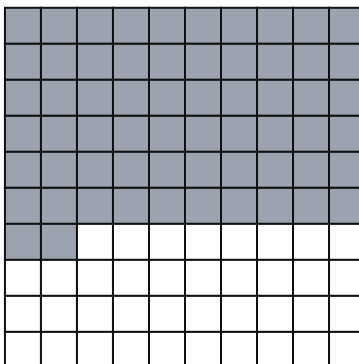
Time and points

About this test

- Grade: Grade 6
- Chapter: Percent as a Rate per 100
- Standards: 6.RP.A.3c
- Time: 45 minutes
- Total: 20 points

Percent test: questions

Question 1 - Percent as a rate [2 pts]



Shaded squares.

Write the shaded part as a percent and as a fraction in simplest form.

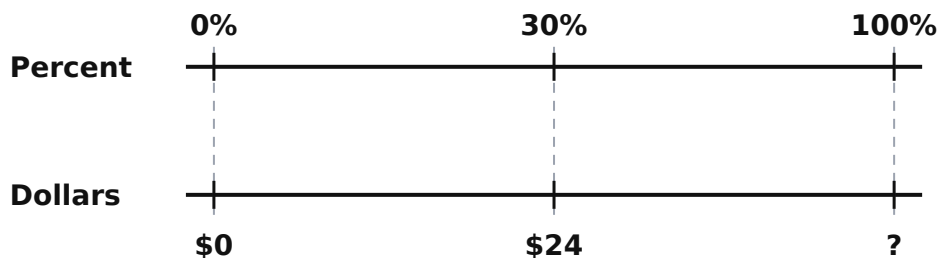
Question 2 - Find a percent of a quantity [2 pts]

- a. Find 20% of 90.
- b. Find 75% of 48.

Question 3 - Part to percent [2 pts]

Mei read 36 pages of a 60-page book. Find the percent of the book she has read.

Question 4 - Find the whole [2 pts]



A discount of 30%.

A discount of 30% takes \$24 off the price of a bike helmet. Find the original price.

Question 5 - Tip [2 pts]

A lunch bill is \$24. Ethan wants to leave a 20% tip. Find the tip and the total amount he pays.

Question 6 - Sale [2 pts]

A pair of jeans costs \$48. The sale is 25% off. Find the sale price.

Question 7 - Percent greater than 100 [2 pts]

The school store has 40 pens. This week it sold 120% of that amount in notebooks. How many notebooks were sold?

Question 8 - Compare scores [3 pts]

Aisha scored 42 out of 50 on a science quiz and 33 out of 40 on a math quiz. Find each score as a percent and decide which quiz she did better on.

Question 9 - Multi-step percent [3 pts]

Goal	200				
Savings	40	40	40	40	40

Noah's goal is \$200.

Noah wants to save \$200. He has saved 40% of his goal. His grandmother then gives him 15% of the goal. Find how much more he needs.

Key facts behind this percent test

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

Time yourself: the test is designed for an average student in 45 minutes. Answer the questions you are sure of first, then come back to the longer ones and check your units.