Grade 6 · Percents · Test

Common Core 6.RP.A.3c · mathovore.fr

Name: _____ Date: ____/____/_____ Score: _____

> This 45-minute test covers percent conversions, percent of a quantity, and finding the whole from standard 6.RP.A.3c. It has 8 questions worth 20 points in all. Show all work, and include units or dollar signs where they apply.

Test information

- **Grade:** Grade 6
- **Chapter:** Percents
- **Common Core:** 6.RP.A.3c
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 3 pts; Question 5: 3 pts; Question 6: 3 pts; Question 7: 3 pts; Question 8: 2 pts)

Question 1: Fraction and percent (2 points)

a. Write 45% as a fraction in simplest form. *(1 point)*
b. Write $\frac{7}{25}$ as a percent. *(1 point)*

Question 2: Decimal and fraction to percent (2 points)

a. Write 0.06 as a percent. *(1 point)*
b. Write $\frac{3}{8}$ as a percent. *(1 point)*

Question 3: Percent of a number (2 points)

a. Find 35% of 80. *(1 point)*
b. Find 12% of 150. *(1 point)*

Question 4: Test score (3 points)

Sofia scored 42 points out of 60 on a science test.

a. What percent of the points did she earn? *(2 points)*
b. How many points would she need on the same 60-point test to score 90%? *(1 point)*

6	6	6	6	6	6	6	6	6	6

Sofia earned 42 of 60 points; each part is 6 points.

Question 5: Walking to school (3 points)

At Lincoln Middle School, 40% of the students walk to school, and 18 students walk.

a. How many students attend the school? *(2 points)*
b. If 20% of the students ride a bike, how many students ride a bike? *(1 point)*

Question 6: Sneaker sale (3 points)

Ethan finds sneakers that cost $85. They are on sale for 30% off.

a. Find the amount of the discount. *(1 point)*
b. Find the sale price. *(1 point)*
c. The sale price is what percent of the original price? *(1 point)*

Sneakers
$85
30% off

Sale tag for the sneakers.

Question 7: Lunch survey (3 points)

A survey asked 80 students to pick a favorite lunch. Of the students, 45% chose pizza, 30% chose tacos, and the rest chose salad.

a. How many students chose pizza, and how many chose tacos? *(2 points)*
b. What percent of the students chose salad? *(1 point)*

Lunch	Percent
Pizza	45%
Tacos	30%
Salad	?

Survey of 80 students.

Question 8: Ordering numbers (2 points)

Order these numbers from least to greatest: 0.7, 65%, $\frac{3}{4}$.