

Percents as Rates per 100

Grade 6 math · Test · Standards: 6.RP.A.3c

Name: _____ Date: _____ Class: _____

This test has 9 questions worth 20 points in total and fits a 45-minute period. Show all work, write percents with the % symbol, and include dollar signs for money answers.

Standards: 6.RP.A.3c · **Level:** Grade 6

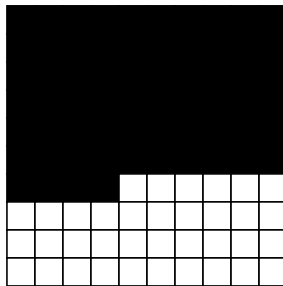
Time: 45 minutes · 9 questions · Total: 20 points · Calculator: as allowed by your teacher

Question 1 Converting Forms (2 points)

- Write 56% as a fraction in simplest form. (1 point)
- Write $\frac{7}{8}$ as a percent. (1 point)

Question 2 Hundred Grid (2 points)

The hundred grid shows shaded squares.



Shaded squares.

- Write the shaded part as a percent and a decimal. (1 point)
- Write it as a fraction in simplest form. (1 point)

Question 3 Percent of a Number (2 points)

- Find 45% of 140. (1 point)
- Find 6% of 350. (1 point)

Question 4 Finding the Percent (2 points)

- a. 18 is what percent of 24? (1 point)
- b. 9 is what percent of 60? (1 point)

Question 5 Finding the Whole (2 points)

- a. 27 is 45% of what number? (1 point)
- b. 36 is 12% of what number? (1 point)

Question 6 Trail Length (3 points)

A hiker has finished 70% of a trail, which is 56 miles, shown in the bar.



7 parts equal 56 miles.

- a. Find the length of the whole trail. (2 points)
- b. How many miles are left? (1 point)

Question 7 Dinner Total (3 points)

A dinner costs \$48.00 before tax. Sales tax is 7% of \$48.00 and the tip is 20% of \$48.00. What is the total amount paid?

Question 8 Skateboard Prices (3 points)

A skateboard costs \$75 and is on sale for 20% off. Another store sells the same skateboard for \$62 with no discount. Which store has the lower price, and by how much?

Question 9 Ordering (1 point)

Order from least to greatest: 0.5, 45%, $\frac{1}{4}$.