

Grade 5 · Operations with Decimals · Test

Common Core 5.NBT.B.7 · mathovore.fr

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

This test has nine questions worth 20 points in total and should take about 45 minutes. It covers adding, subtracting, multiplying and dividing decimals to hundredths. Show your work for every part so that partial credit can be awarded. Calculators are not allowed, and each question tells how many points it is worth.

Test information

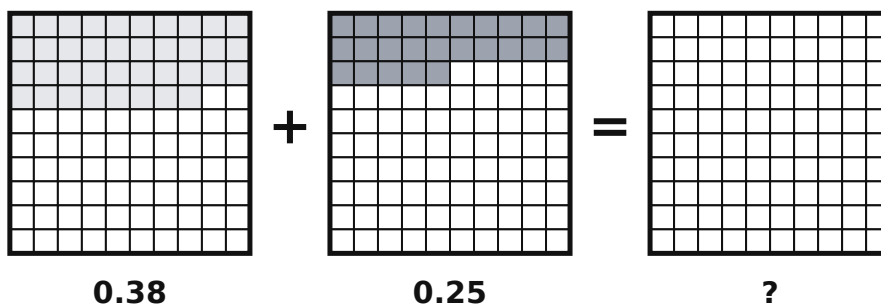
- **Grade:** Grade 5
- **Chapter:** Operations with Decimals
- **Common Core:** 5.NBT.B.7
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 2 pts; Question 7: 2 pts; Question 8: 3 pts; Question 9: 3 pts)

Question 1: Add and subtract (2 points)

- a. $14.76 + 8.9$ (1 point)
b. $30.2 - 17.85$ (1 point)

Question 2: Hundredths grids (2 points)

The grids show two decimals.



Grids for the two decimals.

- a. Write the decimal shown by each grid. (1 point)

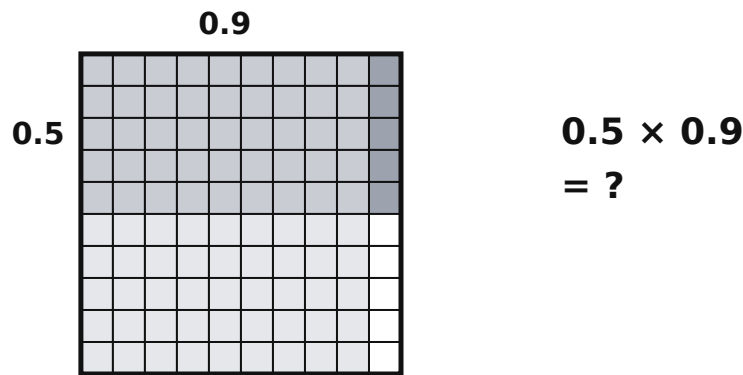
- b. Find the sum of the two decimals. (1 point)

Question 3: Multiply decimals (2 points)

- a. 0.6×0.7 (1 point)
b. 3.8×2.5 (1 point)

Question 4: Area model of a product (2 points)

The grid models a product.



Rows show 0.5 and columns show 0.9.

- a. Write the multiplication sentence the grid shows. (1 point)
b. Explain why the product is less than 0.9. (1 point)

Question 5: Divide decimals (2 points)

- a. $15.6 \div 4$ (1 point)
b. $5.04 \div 0.12$ (1 point)

Question 6: Lunch at the school store (2 points)

Liam buys one of each item shown and pays with \$10.

☐ Sandwich \$5.75	☐ Juice \$1.95	☐ Cookie \$1.25
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School store lunch prices.

- a. Find the total cost. (1 point)
b. Find his change. (1 point)

Question 7: Cheese at the deli (2 points)

Priya buys 2.4 pounds of cheese at \$6.25 per pound and pays with a \$20 bill.

- a. Find the cost of the cheese. (1 point)
- b. Find her change. (1 point)

Question 8: Trail repainting (3 points)

A trail is 7.2 miles long. Volunteers repaint a 0.45-mile section each day.

- a. Write a division expression that tells how many days the job takes. (1 point)
- b. Find the number of days. (1 point)
- c. Find how many miles are repainted after 9 days. (1 point)

Question 9: Student store sales (3 points)

At a school store sale, Mei sells 12 pens for \$0.85 each and 8 notepads for \$1.35 each.

- a. Find the money earned from pens. (1 point)
- b. Find the money earned from notepads. (1 point)
- c. Find the total money earned. (1 point)