

Grade 6 - Multi-Digit and Decimal Operations - Test

Common Core 6.NS.B.2, 6.NS.B.3 · maths-pdf.fr/en/

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

This 45-minute test has 9 questions worth 20 points. It covers long division, adding, subtracting, multiplying, and dividing decimals, and money word problems (Common Core 6.NS.B.2 and 6.NS.B.3). Show your work.

About this test

- Grade: Grade 6
- Chapter: Multi-Digit and Decimal Operations
- Standards: 6.NS.B.2, 6.NS.B.3
- Time: 45 minutes
- Total: 20 points

Question 1 - Long division [2 pts]

Find $6,384 \div 21$.

Question 2 - Add and subtract [2 pts]

- a. $14.7 + 8.25 + 0.5$
b. $30 - 12.46$

Question 3 - Multiply decimals [2 pts]

x	2	0.5
3	?	?
0.4	?	?

Area model.

Find 3.4×2.5 .

Question 4 - Divide decimals [2 pts]

- a. $8.4 \div 0.6$
- b. $3.6 \div 0.09$

Question 5 - Decimal division by a whole number [2 pts]

Find $73.5 \div 15$.

Question 6 - Shopping [2 pts]

Item	Price
Cheese	\$6.40 per lb
Amount	2.5 lb

Maya's purchase.

Maya buys 2.5 pounds of cheese at the price shown. Find the cost.

Question 7 - Error analysis [2 pts]

Liam says $1.2 \times 0.5 = 6$. Explain his mistake and find the correct product.

Question 8 - Pizza party [3 pts]

Item	Cost
Pizza (each)	\$12.75
Drinks (all)	\$14.50

Party costs.

A class buys 6 pizzas for the prices in the table and drinks for \$14.50. The total is shared equally among 24 students. Find the cost per student.

Question 9 - Fuel efficiency [3 pts]

A truck uses 18.5 gallons of gas to travel 462.5 miles. Find the miles per gallon. Then find how far the truck can go on 12 gallons.