

Grade 5 - Multiplying and Dividing Decimals - Test

Common Core 5.NBT.B.7 · maths-pdf.fr/en/

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

This test has 9 questions worth 20 points in all. It checks multiplying and dividing decimals to hundredths (5.NBT.B.7). Show all work, and write the units in word problems. Calculators are not allowed. The test takes about 45 minutes.

About this test

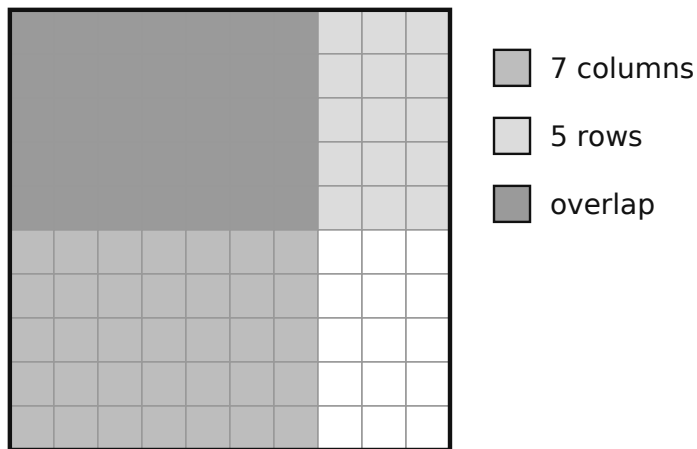
- Grade: Grade 5
- Chapter: Multiplying and Dividing Decimals
- Standards: 5.NBT.B.7
- Time: 45 minutes
- Total: 20 points

Question 1 - Multiply decimals [2 pts]

- Find 0.6×0.9 . (1 point)
- Find 4.2×3.5 . (1 point)

Question 2 - Model of a product [2 pts]

The grid shows a multiplication of two decimals.



Each small square is 0.01.

- Write the multiplication sentence the model shows. (1 point)
- Find the product. (1 point)

Question 3 - Divide by a whole number [2 pts]

- Find $8.4 \div 7$. (1 point)
- Find $5.76 \div 8$. (1 point)

Question 4 - Divide by a decimal [2 pts]

- Find $9 \div 0.3$. (1 point)
- Find $3.6 \div 0.08$. (1 point)

Question 5 - Check with an estimate [2 pts]

Kai says that 6.2×0.5 equals 31.

- Estimate the product by rounding. Explain why 31 is not reasonable. (1 point)
- Find the correct product. (1 point)

Question 6 - Price of grapes [2 pts]

Noah buys 2.5 pounds of grapes at the price shown.

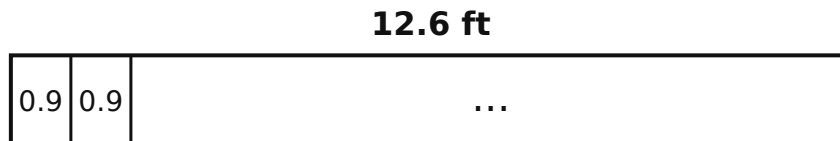
Fruit Stand	
Grapes, 2.5 lb	\$3.20 per lb
Total	?

Noah's grapes.

Calculate the total cost.

Question 7 - Cutting a board [3 pts]

Jamal cuts a 12.6-foot board into pieces that are each 0.9 foot long.



A board cut into equal pieces.

- How many pieces does he get? (2 points)
- He sells each piece for \$1.75. How much money does he collect for all the pieces? (1 point)

Question 8 - School store receipt [3 pts]

Liam buys items at the school store, as shown.

School Store	
3 notebooks	\$2.85 each
2 pens	\$1.35 each
Total	?

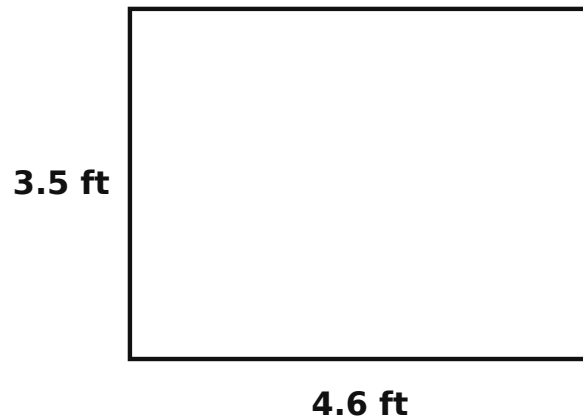
Liam's purchase.

- Find the total cost. (2 points)

- b. Liam pays with a \$20 bill. How much change does he get? (1 point)

Question 9 - Two rectangles [2 pts]

A rectangular garden is 4.6 feet long and 3.5 feet wide.



First garden.

- a. Find the area of the garden. (1 point)
- b. A second rectangle has an area of 7.14 square feet and a width of 2.1 feet. Find its length. (1 point)