

Grade 4 - Multiplying Multi-Digit Numbers - Test

Common Core 4.NBT.B.5 · maths-pdf.fr/en/

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

This 20-point test checks multiplication of multi-digit whole numbers (Common Core 4.NBT.B.5). Work alone, show your partial products, and write each answer clearly. You have 45 minutes.

About this test

- Grade: Grade 4
- Chapter: Multiplying Multi-Digit Numbers
- Standards: 4.NBT.B.5
- Time: 45 minutes
- Total: 20 points

Question 1 - Mental math [2 pts]

- Find 60×30 . (1 point)
- Find $8 \times 7,000$. (1 point)

Question 2 - Area model [2 pts]

	50	2
30	?	?
6	?	?

Complete the model.

Complete the area model and find 52×36 .

Question 3 - Four digits by one [2 pts]

Find $3,862 \times 5$.

Question 4 - Two digits by two [2 pts]

Find 67×48 .

Question 5 - Properties [2 pts]

Show how to find $5 \times 18 \times 20$ using a property of multiplication, and give the product.

Question 6 - Estimate and solve [2 pts]

Estimate 48×31 by rounding each factor to the nearest ten. Then find the exact product.

Question 7 - Muffin boxes [3 pts]

Fri.

38 boxes

Sat.

45 boxes

Each box holds 24 muffins.

A bakery packs 24 muffins in each box. It sold 38 boxes on Friday and 45 boxes on Saturday.

- How many muffins were sold on Friday? (1 point)
- How many muffins were sold on Saturday? (1 point)
- How many muffins were sold in all? (1 point)

Question 8 - Find the mistake [3 pts]

Jamal solved 46×23 like this: $46 \times 3 = 138$ and $46 \times 2 = 92$, so $138 + 92 = 230$.

- Explain his mistake. (1 point)
- Find the correct product. (1 point)
- Use an estimate to show that 230 is not reasonable. (1 point)

Question 9 - Stadium sections [2 pts]

sections	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
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Nine sections with 1,250 seats each.

A stadium has 9 sections with 1,250 seats in each section. 2,400 seats are already sold. How many seats are still open?