

Grade 5 · Multiplying Multi-Digit Whole Numbers · Test

Common Core 5.NBT.B.5 · mathovore.fr

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

This 45-minute test covers multiplying multi-digit whole numbers (5.NBT.B.5). It has 9 questions worth 20 points. Show all work, because partial credit is given for correct steps. Calculators are not allowed.

Test information

- **Grade:** Grade 5
- **Chapter:** Multiplying Multi-Digit Whole Numbers
- **Common Core:** 5.NBT.B.5
- **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: 3 pts; Question 8: 2 pts; Question 9: 3 pts)

Question 1: Multiply with one-digit factors (2 points)

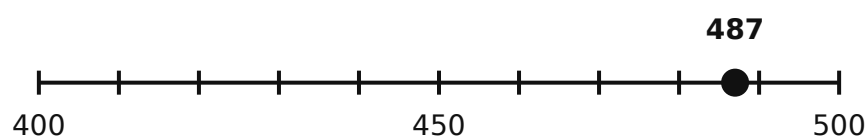
- Find 428×6 . (1 point)
- Find $3,152 \times 4$. (1 point)

Question 2: Multiply two-digit and three-digit numbers (2 points)

- Find 47×36 . (1 point)
- Find 605×42 . (1 point)

Question 3: Estimate and calculate (2 points)

Look at the product 487×32 .



487 on a number line.

- Estimate the product. (1 point)
- Find the exact product. (1 point)

Question 4: Complete the area model (2 points)

The area model shows 34×25 .

		30	4
20		?	?
5		?	?

Each ? is a partial product.

- Find the four missing partial products. (1 point)
- Find the product. (1 point)

Question 5: Four digits by two digits (2 points)

Find $2,746 \times 58$.

Question 6: Check Ava's work (2 points)

Ava multiplies 63 by 48. Her work is shown.

$$\begin{array}{r}
 63 \\
 \times 48 \\
 \hline
 504 \\
 252 \\
 \hline
 756
 \end{array}$$

Ava's work.

Ava's product is not correct. Explain her mistake and find the correct product.

Question 7: School store pencils (3 points)

The school store orders 45 boxes of pencils. Each box holds 144 pencils.

45 boxes

144	144	144	...	144
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45 boxes of 144 pencils.

- How many pencils does the store order? (2 points)
- By the end of the year, 1,250 pencils are sold. How many pencils are left? (1 point)

Question 8: Three digits by three digits (2 points)

Find 436×207 .

Question 9: Stadium seats and tickets (3 points)

A stadium has 38 sections. Each section has 275 seats.

38 sections

275	275	275	...	275
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38 sections of 275 seats.

- How many seats are in the stadium? (2 points)
- Every ticket costs \$12. How much money does the stadium collect if every seat is sold? (1 point)