

Grade 3 · Multiplying by Multiples of 10 · Test

Common Core 3.NBT.A.3 · mathovore.fr

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

This test checks multiplying one-digit numbers by multiples of 10. It has 9 questions worth 20 points in all. Show your work for each question. A calculator is not allowed. You have 45 minutes.

Test information

- **Grade:** Grade 3
- **Chapter:** Multiplying by Multiples of 10
- **Common Core:** 3.NBT.A.3
- **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)

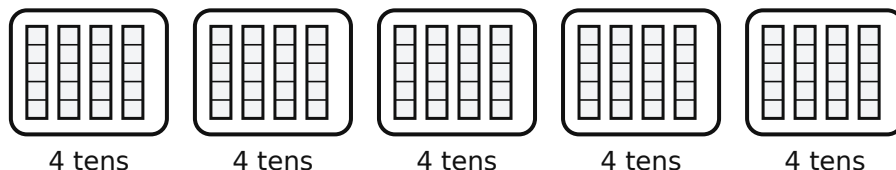
Question 1: Quick products (2 points)

Find each product.

- 3×60 (1 point)
- 7×40 (1 point)

Question 2: Groups of tens (2 points)

Each rod is worth 10. Write a multiplication sentence for the picture and find the total value.



5 boxes with 4 tens in each box.

(2 points)

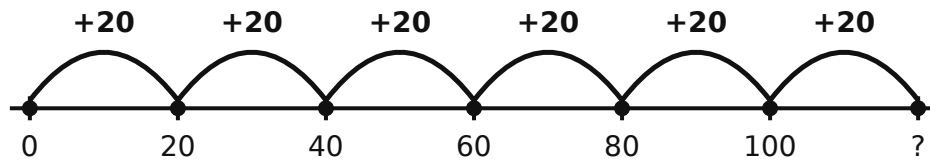
Question 3: Missing factors (2 points)

Find each missing number.

- a. $8 \times [\text{?}] = 640$ (1 point)
- b. $[\text{?}] \times 30 = 270$ (1 point)

Question 4: Jumps of 20 (2 points)

The number line shows equal jumps starting at 0. Write a multiplication sentence and find the missing number.



Six jumps of 20.

(2 points)

Question 5: Comparing (2 points)

Write $<$, $>$, or $=$ in each blank.

- a. 6×50 ____ 5×60 (1 point)
- b. 9×30 ____ 8×40 (1 point)

Question 6: Explaining a product (2 points)

Look at 7×50 .

- a. Find 7×5 . (1 point)
- b. Explain how to use that fact to find 7×50 . (1 point)

Question 7: Tens grid (2 points)

Each square is worth 10. Write a multiplication sentence for the total value of the grid and find the total.

		8 tens in each row							
3 rows		10	10	10	10	10	10	10	10
		10	10	10	10	10	10	10	10
		10	10	10	10	10	10	10	10

3 rows of 8 tens.

(2 points)

Question 8: School store (3 points)

The school store sells erasers in bags of 20 and pencils in boxes of 60.

- Find the number of erasers in 7 bags. (1 point)
- Find the number of pencils in 4 boxes. (1 point)
- Find the total number of erasers and pencils. (1 point)

Question 9: Find the mistake (3 points)

Jamal says $8 \times 60 = 48$.

- Explain Jamal's mistake. (1 point)
- Find the correct product. (1 point)
- Show how to use tens to explain the correct answer. (1 point)