

Grade 3 - Multiplying by Multiples of 10 - Test

Common Core 3.NBT.A.3 · maths-pdf.fr/en/

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

This **multiply tens test** for 3rd Grade covers multiplying by multiples of 10 (Common Core 3.NBT.A.3), with a free PDF to print.

This 20-point test checks multiplying one-digit numbers by multiples of 10 (Common Core 3.NBT.A.3). Work alone, show your thinking, and write each answer clearly. You have 45 minutes.

Time and points

About this test

- Grade: Grade 3
- Chapter: Multiplying by Multiples of 10
- Standards: 3.NBT.A.3
- Time: 45 minutes
- Total: 20 points

Multiply tens test: questions

Question 1 - Products with tens A [2 pts]

Find each product.

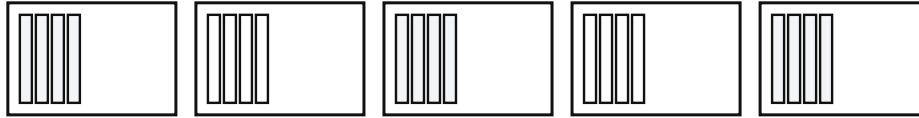
- 3×60 (1 point)
- 8×50 (1 point)

Question 2 - Products with tens B [2 pts]

Find each product.

- 7×30 (1 point)
- 9×60 (1 point)

Question 3 - Boxes of rods [2 pts]



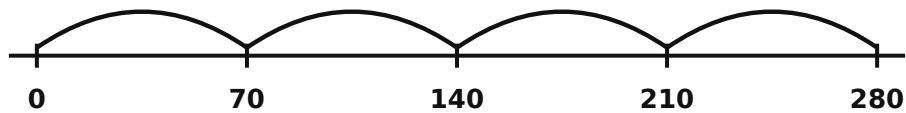
Each rod is worth 10.

Each rod is worth 10. Five boxes each hold the same number of rods.

- Write a multiplication equation for the total value of the rods. (1 point)
- Find the total value. (1 point)

Question 4 - Jumps on a number line [2 pts]

4 jumps of 70



Jumps of equal size.

- Write a multiplication equation for the jumps. (1 point)
- Where does the last jump land? (1 point)

Question 5 - Missing numbers [2 pts]

Find each missing number.

- $6 \times ? = 480$ (1 point)
- $? \times 30 = 240$ (1 point)

Question 6 - Mia's product [2 pts]

Mia says that 4×70 equals 28.

- Is Mia correct? (1 point)
- Find the correct product. (1 point)

Question 7 - Peach baskets [2 pts]

? peaches

60	60	60	60	60	60	60	60
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8 baskets, 60 peaches each.

A farmers market stand packs 8 baskets. Each basket holds 60 peaches. Let p be the number of peaches in all the baskets.

- Write an equation for p . (1 point)
- Solve the equation. (1 point)

Question 8 - Crayon boxes [3 pts]

Ms. Lee orders 6 boxes with 90 crayons in each box and 4 boxes with 70 crayons in each box.

- How many crayons are in the 6 boxes? (1 point)
- How many crayons are in the 4 boxes? (1 point)
- How many crayons does Ms. Lee order in all? (1 point)

Question 9 - Which is greater? [2 pts]

Which is greater, 6×70 or 8×50 ?

- Find both products. (1 point)
- Tell which expression is greater. (1 point)

Question 10 - One more product [1 pt]

Find 5×90 .

Key facts behind this multiply tens test

Key facts

- A multiple of 10 is a whole number of tens, such as 30 (3 tens) or 80 (8 tens).
- Multiply the basic fact first: $9 \times 8 = 72$, so $9 \times 80 = 720$.
- The answer is that many tens, so the product ends in 0.
- If the basic fact ends in 0, the product ends in two zeros: $5 \times 60 = 300$.
- Skip counting by the multiple of 10 gives the same answer.

How to use this multiply tens test

Time yourself: the test is designed for an average student in 45 minutes. Answer the questions you are sure of first, then come back to the longer ones and check your units.