

Grade 3 - Multiplying by Multiples of 10 - Test Answer Key

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

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

This answer key gives worked solutions and a scoring guide for the 20-point test. Award points as shown, and give the point for a right method when only a small slip spoils the final number.

Grade 3 · Common Core State Standards: **3.NBT.A.3**

Multiply tens test answers: worked solutions

Question 1 - Products with tens A [2 pts]

- a. $3 \times 6 = 18$, so $3 \times 60 = 180$.
- b. $8 \times 5 = 40$, so $8 \times 50 = 400$.

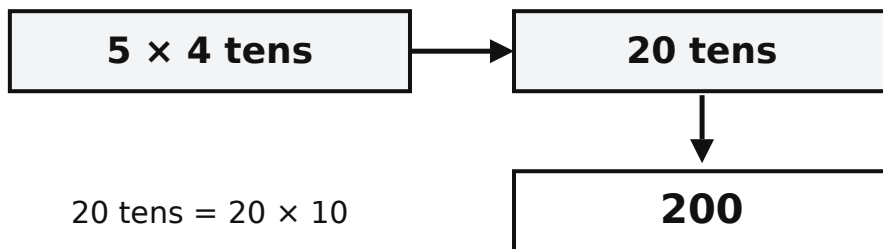
Scoring: 1 point for each correct product.

Question 2 - Products with tens B [2 pts]

- a. $7 \times 3 = 21$, so $7 \times 30 = 210$.
- b. $9 \times 6 = 54$, so $9 \times 60 = 540$.

Scoring: 1 point for each correct product.

Question 3 - Boxes of rods [2 pts]



$$5 \times 4 \text{ tens} = 20 \text{ tens} = 200.$$

- a. 5×40
- b. $5 \times 4 = 20$ tens, so $5 \times 40 = 200$.

Scoring: 1 point for 5×40 . 1 point for 200.

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

- a. 4×70
- b. $4 \times 7 = 28$ tens, so $4 \times 70 = 280$. The last jump lands on **280**.

Scoring: 1 point for 4×70 . 1 point for 280.

Question 5 - Missing numbers [2 pts]

- a. $6 \times 8 = 48$, so the number is **80**.
- b. $8 \times 3 = 24$, so the number is **8**.

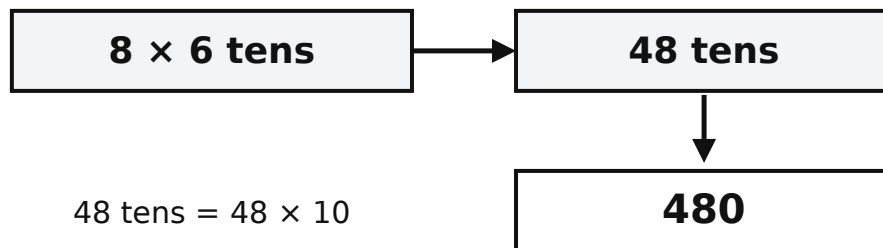
Scoring: 1 point for each correct number.

Question 6 - Mia's product [2 pts]

- a. No. She found $4 \times 7 = 28$ but forgot that 70 is 7 tens.
- b. 28 tens is **280**.

Scoring: 1 point for saying no with a reason. 1 point for 280.

Question 7 - Peach baskets [2 pts]



$$8 \times 6 \text{ tens} = 48 \text{ tens} = 480.$$

- a. $8 \times 60 = p$
- b. $8 \times 6 = 48$ tens, so $p = 480$: **480 peaches**.

Scoring: 1 point for the equation. 1 point for 480.

Question 8 - Crayon boxes [3 pts]

- a. $6 \times 9 = 54$ tens, so $6 \times 90 = 540$.
- b. $4 \times 7 = 28$ tens, so $4 \times 70 = 280$.
- c. $540 + 280 = 820$: **820 crayons**.

Scoring: 1 point for each part.

Question 9 - Which is greater? [2 pts]

- a. $6 \times 70 = 420$ and $8 \times 50 = 400$.
- b. $420 > 400$, so 6×70 is greater.

Scoring: 1 point for both products. 1 point for the correct comparison.

Question 10 - One more product [1 pt]

$5 \times 9 = 45$ tens, so $5 \times 90 = 450$.

Scoring: 1 point for 450.

Total score

Total

20 points

Key facts behind this multiply tens test answers

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 answers

Score your test with the point values shown for each question. Then read the worked solution of every question where you lost points and note the method to review.