

Grade 3 - Understanding Multiplication - Test Answer Key

Common Core 3.OA.A.1, 3.OA.A.3 · maths-pdf.fr/en/

This **multiplication meaning test answers** for 3rd Grade covers understanding multiplication (Common Core 3.OA.A.1, 3.OA.A.3), with a free PDF to print.

Here is the answer key and scoring guide for the multiplication meaning test. Each question lists how its points are earned. Give partial credit when the equation is right but the product has a small slip, and add the points to get a score out of 20.

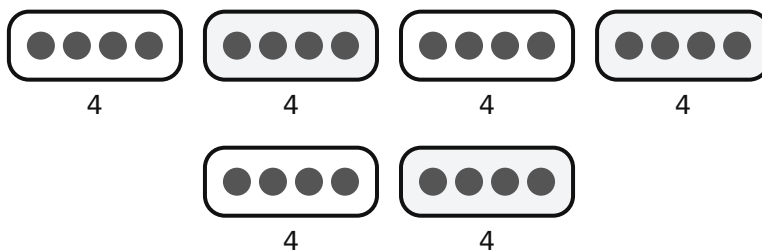
Grade 3 · Common Core State Standards: **3.OA.A.1, 3.OA.A.3**

Multiplication meaning test answers: worked solutions

Question 1 - Groups of ribbons [2 pts]

a. $4+4+4+4+4+4=24$

b. $6 \times 4 = 24$, so the product is **24**.

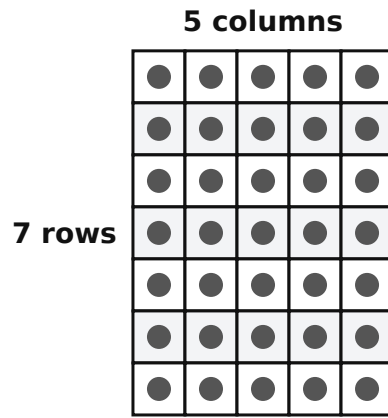


6 groups of 4 make 24.

Scoring: 1 point for six 4s added correctly, 1 point for the equation with the product 24.

Question 2 - Rows in a garden [2 pts]

7 rows with 5 in each row: $7 \times 5 = 35$. Answer: **35**.



7 rows and 5 columns.

Scoring: 1 point for the correct equation (7 rows, 5 in each row), 1 point for the product 35.

Question 3 - Check the meaning [2 pts]

No. 6×4 means 6 groups of 4, which is $4+4+4+4+4+4=24$. The sum $6+4=10$ is not the same. Answer: **not correct; the value is 24.**

Scoring: 1 point for saying she is not correct with a reason, 1 point for the value 24.

Question 4 - Cups of juice [2 pts]

$5 \times 4 = 20$. Answer: **20 cups.**

Scoring: 1 point for a correct equation, 1 point for 20 cups with the unit.

Question 5 - Hops on a number line [2 pts]

There are 6 jumps of 4: $6 \times 4 = 24$. Count by 4s: 4, 8, 12, 16, 20, 24. Answer: **24.**

Scoring: 1 point for the equation, 1 point for the endpoint 24.

Question 6 - Notebook costs [2 pts]

$8 \times 6 = 48$. Answer: **\$48.**

Scoring: 1 point for the equation, 1 point for the correct total with the dollar sign.

Question 7 - Choose the equation [2 pts]

The story has 4 groups of 9, so the equation is $4 \times 9 = n$ (choice b). Then $n = 36$. Answer: **b, 36**

oranges.

Scoring: 1 point for choice b, 1 point for 36 oranges.

Question 8 - Snack stand [3 pts]

$7 \times 6 = 42$ cups in the packs. Then $42 + 5 = 47$. Answer: **47 cups.**

Scoring: 1 point for $7 \times 6 = 42$, 1 point for adding the 5 cups, 1 point for the answer 47.

Question 9 - Two sets of seats [3 pts]

First part: $3 \times 9 = 27$. Second part: $4 \times 5 = 20$. Total: $27 + 20 = 47$. Answer: **47 seats.**

Scoring: 1 point for each correct product (27 and 20), 1 point for the total 47.

Total score

Total

20 points

Key facts behind this multiplication meaning test answers

Key facts

- A multiplication equation such as $4 \times 6 = 24$ means 4 groups of 6.
- The numbers you multiply are factors, and the answer is the product.
- An array has equal rows, so 4 rows of 6 show 4×6 .
- Repeated addition matches multiplication: $6 + 6 + 6 + 6 = 24$.
- A letter or symbol can stand for the unknown product, as in $5 \times 8 = n$.

How to use this multiplication meaning 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.