

Grade 3 - Understanding Multiplication - Test

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

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

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

This 20-point test checks the meaning of multiplication (Common Core 3.OA.A.1 and 3.OA.A.3). Students use equal groups, arrays, number lines, and word problems. Work alone, show each equation, and write answers with units. You have 45 minutes.

Time and points

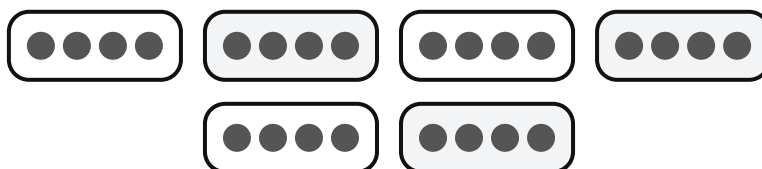
About this test

- Grade: Grade 3
- Chapter: Understanding Multiplication
- Standards: 3.OA.A.1, 3.OA.A.3
- Time: 45 minutes
- Total: 20 points

Multiplication meaning test: questions

Question 1 - Groups of ribbons [2 pts]

Look at the picture.

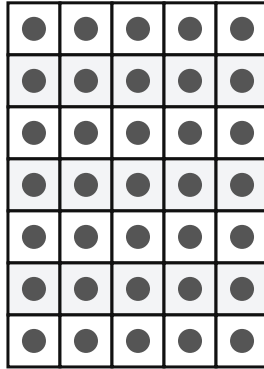


Equal groups.

- Write the total as repeated addition. (1 point)
- Write a multiplication equation and find the product. (1 point)

Question 2 - Rows in a garden [2 pts]

Write a multiplication equation for the array and find the product.



A garden array.

Question 3 - Check the meaning [2 pts]

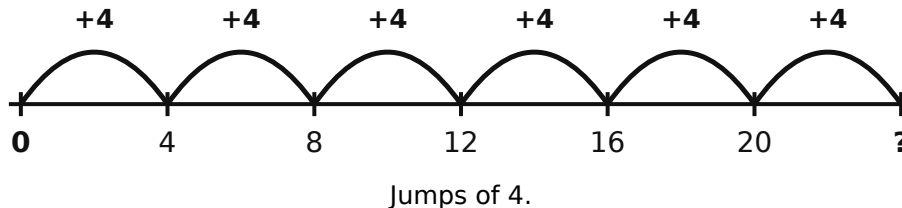
Priya says 6×4 means $6 + 4$. Tell whether she is correct. Then find the value of 6×4 .

Question 4 - Cups of juice [2 pts]

Five bottles hold 4 cups of juice each. Write an equation and find how many cups there are in all.

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

A number line shows equal jumps.



Write a multiplication equation for the jumps and find where the last jump ends.

Question 6 - Notebook costs [2 pts]

Each notebook costs \$6. Jamal buys 8 notebooks. Find the total cost.

Question 7 - Choose the equation [2 pts]

Maya has 4 bags with 9 oranges in each bag. Which equation finds the total? Write the letter and then the total number of oranges.

- a. $4 + 9 = n$
- b. $4 \times 9 = n$
- c. $9 + 9 = n$

d. $9 - 4 = n$

Question 8 - Snack stand [3 pts]

A Little League snack stand has 7 packs with 6 cups in each pack. Then it gets 5 more cups. How many cups does the stand have now? Show the equations.

Question 9 - Two sets of seats [3 pts]

A hall has 3 rows with 9 seats in each row and 4 rows with 5 seats in each row. How many seats are in the hall?

Key facts behind this multiplication meaning test

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

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.