

Grade 3 - Multiplication and Division Facts Within 100 - Test

Common Core 3.OA.C.7 · maths-pdf.fr/en/

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

This **multiplication facts test** for 3rd Grade covers multiplication and division facts within 100 (Common Core 3.OA.C.7), with a free PDF to print.

This test has 9 questions worth 20 points. It checks multiplication and division facts within 100 (3.OA.C.7), including missing numbers and fact families. Show each number sentence you use and check your answers.

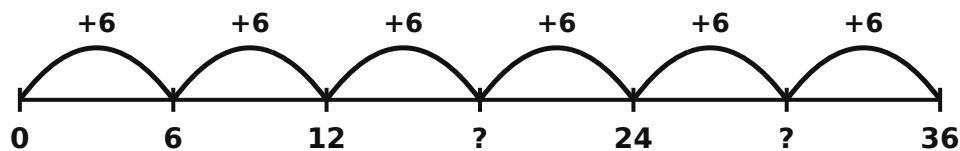
Time and points

About this test

- Grade: Grade 3
- Chapter: Multiplication and Division Facts Within 100
- Standards: 3.OA.C.7
- Time: 45 minutes
- Total: 20 points

Multiplication facts test: questions

Question 1 - Number line hops [2 pts]



Hops of 6.

- Write the two missing numbers. (1 point)
- Find 6×6 . (1 point)

Question 2 - Find the products [2 pts]

- a. 9×7 (1 point)
- b. 8×4 (1 point)

Question 3 - Find the quotients [2 pts]

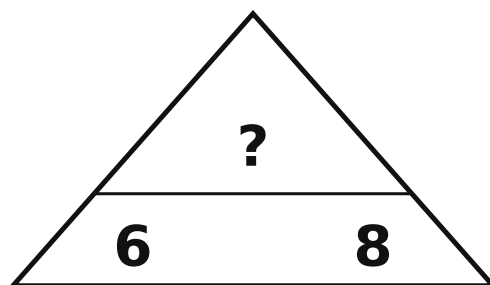
- a. $36 \div 4$ (1 point)
- b. $72 \div 9$ (1 point)

Question 4 - Missing numbers [2 pts]

Find the value of n .

- a. $7 \times n = 49$ (1 point)
- b. $n \times 6 = 54$ (1 point)

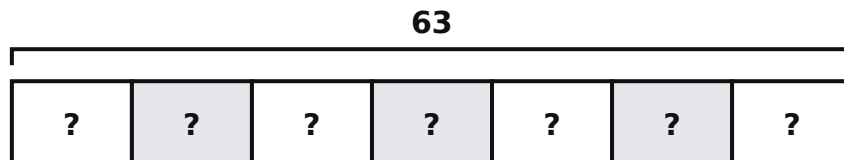
Question 5 - Fact family [3 pts]



A fact family triangle.

- a. Find the top number. (1 point)
- b. Write two multiplication facts for the triangle. (1 point)
- c. Write two division facts for the triangle. (1 point)

Question 6 - Sticker sheets [3 pts]

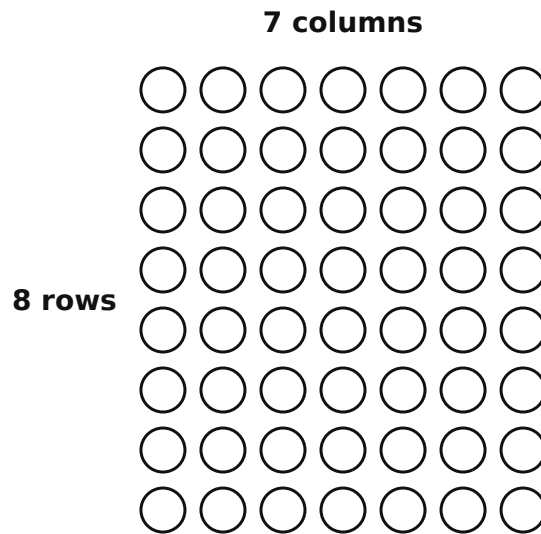


63 stickers on 7 sheets.

Jamal has 63 stickers. He puts the same number of stickers on each of 7 sheets.

- Write a division sentence for the problem. (1 point)
- How many stickers are on each sheet? (1 point)
- Write a multiplication sentence to check the answer. (1 point)

Question 7 - Rows of chairs [2 pts]



Chairs in the gym: 8 rows of 7.

- Find the number of chairs. (1 point)
- Write a related division fact. (1 point)

Question 8 - Compare the products [2 pts]

Which is greater, 6×8 or 7×7 ? Show the two products.

Question 9 - Check the claim [2 pts]

Diego says $45 \div 9 = 6$ because $9 \times 6 = 45$.

- Explain his mistake. (1 point)
- Find the correct quotient. (1 point)

Key facts behind this multiplication facts test

Key facts

- A fact family uses three numbers: 6, 7, and 42 make $6 \times 7 = 42$, $7 \times 6 = 42$, $42 \div 6 = 7$, and $42 \div 7 = 6$.

- Division is finding a missing factor: $42 \div 7$ asks 7 times what number is 42.
- Products of 5 end in 0 or 5, and the digits of a product of 9 add to 9.
- Doubles help with 2s and 4s. Add one more group to move from a known fact to the next one.
- Fluency means knowing the facts from memory, quickly and correctly.

How to use this multiplication facts 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.