

Grade 3 - Multiplication and Division Facts Within 100 - Test Answer Key

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

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

Use this key to score the 20-point test. Each answer shows the fact used and a scoring note. Give partial credit when the method is right but one fact is wrong.

Grade 3 · Common Core State Standards: **3.OA.C.7**

Multiplication facts test answers: worked solutions

Question 1 - Number line hops [2 pts]

- a. Count by 6: 6, 12, 18, 24, 30, 36. The missing numbers are 18 and 30.
- b. Six hops of 6 land on 36: $6 \times 6 = 36$.

Scoring: 1 point for both missing numbers; 1 point for 36.

Question 2 - Find the products [2 pts]

- a. $9 \times 7 = 63$.
- b. $8 \times 4 = 32$.

Scoring: 1 point for each correct product.

Question 3 - Find the quotients [2 pts]

- a. $4 \times 9 = 36$, so $36 \div 4 = 9$.
- b. $9 \times 8 = 72$, so $72 \div 9 = 8$.

Scoring: 1 point for each correct quotient.

Question 4 - Missing numbers [2 pts]

- a. $7 \times 7 = 49$, so $n = 7$.

b. $9 \times 6 = 54$, so $n = 9$.

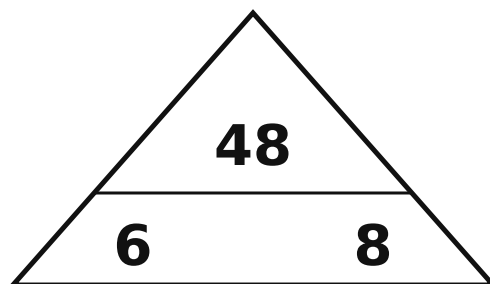
Scoring: 1 point for each correct value.

Question 5 - Fact family [3 pts]

a. $6 \times 8 = 48$. The top number is 48.

b. $6 \times 8 = 48$ and $8 \times 6 = 48$.

c. $48 \div 6 = 8$ and $48 \div 8 = 6$.



The completed triangle.

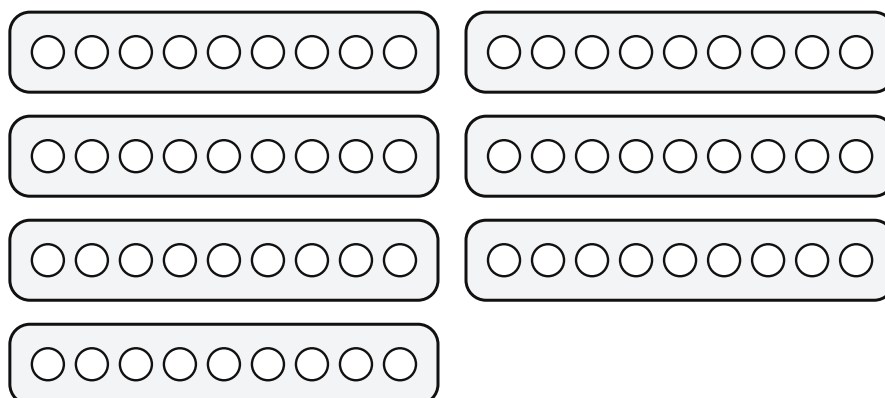
Scoring: 1 point for each part.

Question 6 - Sticker sheets [3 pts]

a. $63 \div 7 = n$.

b. $63 \div 7 = 9$, so there are 9 stickers on each sheet.

c. $7 \times 9 = 63$.



7 sheets with 9 stickers each.

Scoring: 1 point for each part.

Question 7 - Rows of chairs [2 pts]

- a. $8 \times 7 = 56$. There are 56 chairs.
- b. $56 \div 7 = 8$ (or $56 \div 8 = 7$).

Scoring: 1 point for 56 chairs; 1 point for a correct related division fact.

Question 8 - Compare the products [2 pts]

$6 \times 8 = 48$ and $7 \times 7 = 49$. Since 49 is greater than 48, 7×7 is greater.

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

Question 9 - Check the claim [2 pts]

- a. $9 \times 6 = 54$, not 45. Diego used the wrong product.
- b. $9 \times 5 = 45$, so $45 \div 9 = 5$. The quotient is 5.

Scoring: 1 point for noting that $9 \times 6 = 54$; 1 point for the quotient 5.

Total score

Total

20 points

Key facts behind this multiplication facts test answers
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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 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.