

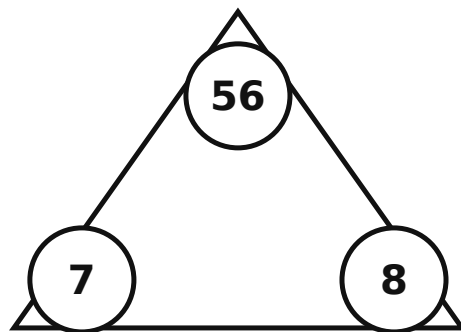
Grade 3 · Multiplication and Division Facts Within 100 · Test Answer Key

Common Core 3.OA.C.7 · mathovore.fr

Use this key to grade the test. Each solution shows one correct method, and the scoring note tells how to award points. Accept other correct methods, such as a different way to break apart a factor.

Grade 3 Common Core: 3.OA.C.7

Question 1: Fact family (4 points)



$$7 \times 8 = 56$$

$$8 \times 7 = 56$$

$$56 \div 7 = 8$$

$$56 \div 8 = 7$$

The four facts in the family.

$7 \times 8 = 56$, $8 \times 7 = 56$, $56 \div 7 = 8$, $56 \div 8 = 7$.

Scoring: 1 point for each correct fact. Accept the facts in any order.

Question 2: Find the products (3 points)

- a. $6 \times 7 = 42$
- b. $8 \times 4 = 32$
- c. $9 \times 6 = 54$
- d. $5 \times 8 = 40$
- e. $7 \times 7 = 49$
- f. $3 \times 9 = 27$

Scoring: 1 point for 2 correct answers, 2 points for 4 correct, 3 points for 6 correct (5 correct earns 2 points).

Question 3: Find the quotients (3 points)

- a. $54 \div 6 = 9$
- b. $28 \div 4 = 7$

- c. $72 \div 8 = 9$
- d. $45 \div 9 = 5$
- e. $63 \div 7 = 9$
- f. $32 \div 8 = 4$

Scoring: 1 point for 2 correct answers, 2 points for 4 correct, 3 points for 6 correct (5 correct earns 2 points).

Question 4: Missing numbers (2 points)

- a. $8 \times 8 = 64$: **8**
- b. $42 \div 7 = 6$, because $7 \times 6 = 42$: **42**

Scoring: 1 point for each correct number.

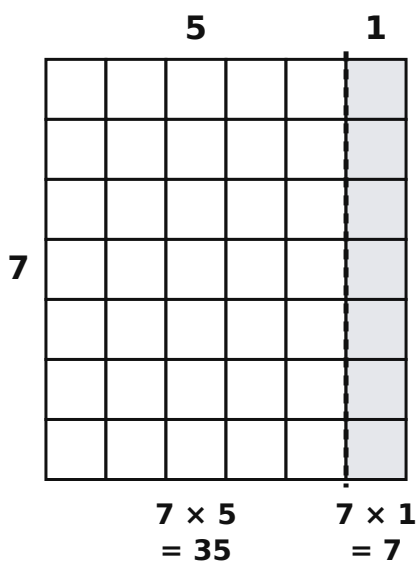
Question 5: Read an array (2 points)

- a. 7 rows of 8: $7 \times 8 = 56$ (or $8 \times 7 = 56$)
- b. $56 \div 7 = 8$ or $56 \div 8 = 7$

Scoring: 1 point for a correct multiplication fact; 1 point for a correct division fact with 56, 7, and 8.

Question 6: Break apart (2 points)

One way: $6 = 5 + 1$. Then $7 \times 5 = 35$ and $7 \times 1 = 7$. Add: $35 + 7 = 42$.



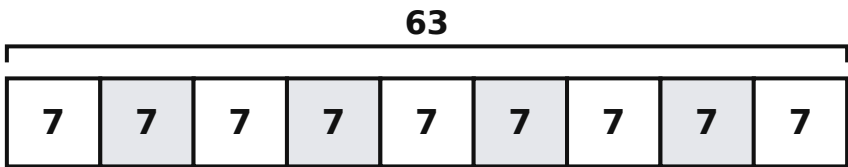
One way to break apart 7×6 .

Answer: $7 \times 6 = 42$.

Scoring: 1 point for a correct split and correct partial products; 1 point for the correct sum 42.
Any correct split earns full credit.

Question 7: Books on shelves (2 points)

- a. $63 \div 9 = 7$
- b. **7 books**, because $9 \times 7 = 63$



Each shelf holds 7 books.

Scoring: 1 point for the correct equation (accept a missing-factor equation such as $9 \times ? = 63$);
1 point for 7 books.

Question 8: Sharing oranges (2 points)

Total oranges: $8 \times 4 = 32$. Each friend: $32 \div 4 = 8$.

Answer: **8 oranges**.

Scoring: 1 point for finding the total number of oranges (32); 1 point for dividing to get 8.

Total
20 points