

Grade 3 · Multiplication and Division Facts Within 100 · Quiz

Common Core 3.OA.C.7 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

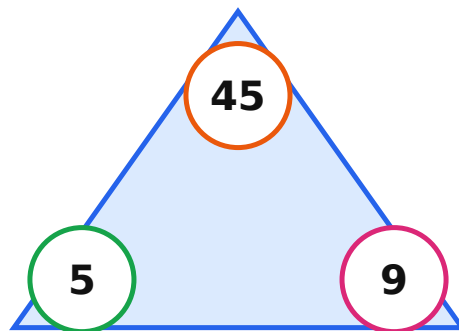
Try these 10 questions on multiplication and division facts within 100. Look at each picture before you answer. Pick one answer, then read the explanation to learn from any mistake.

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

Questions

Question 1

Which fact belongs to the fact family in the triangle?



A fact family triangle: 5, 9, and 45.

- A. $9 \div 45 = 5$
- B. $45 \div 9 = 5$
- C. $5 \div 45 = 9$
- D. $45 - 9 = 5$

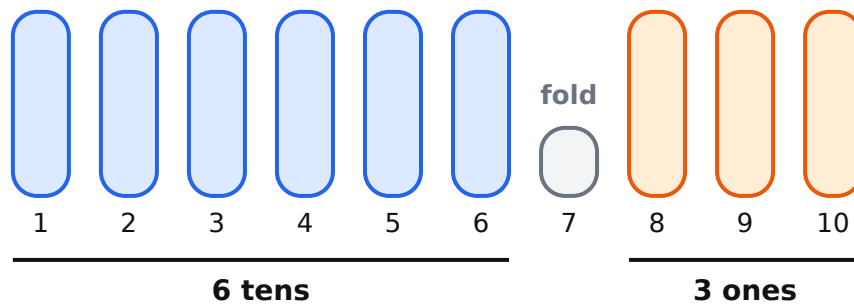
Question 2

What is 7×8 ?

- A. 56
- B. 54
- C. 63
- D. 48

Question 3

Jamal folds down finger 7 to use the 9s trick. What is 9×7 ?



Finger 7 is folded down.

- A. 36
- B. 63
- C. 56
- D. 72

Question 4

What is $48 \div 6$?

- A. 8
- B. 7
- C. 9
- D. 42

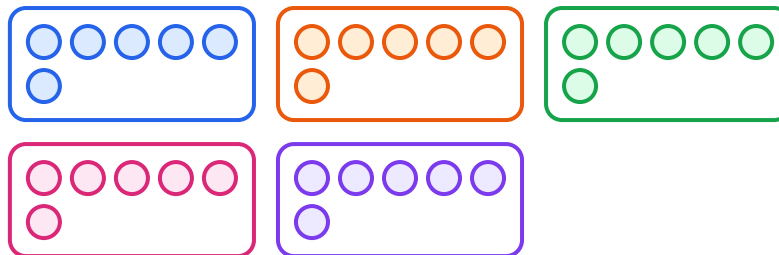
Question 5

Find the missing number. $4 \times ? = 36$

- A. 8
- B. 32
- C. 9
- D. 40

Question 6

How many dots are in the picture?



5 groups of 6 dots.

- A. 11

- B. 25
- C. 36
- D. 30

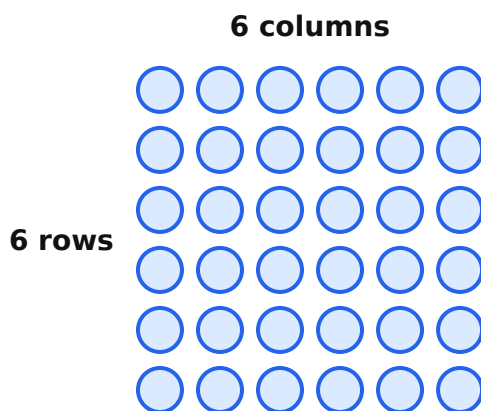
Question 7

Which fact helps you solve $56 \div 8$?

- A. $8 \times 8 = 64$
- B. $7 \times 9 = 63$
- C. $8 \times 7 = 56$
- D. $56 + 8 = 64$

Question 8

How many dots are in the array?



An array with 6 rows and 6 columns.

- A. 12
- B. 36
- C. 42
- D. 66

Question 9

A page in a card album holds 9 cards. Ava has 72 cards. How many pages does she fill?

- A. 7 pages
- B. 9 pages
- C. 63 pages
- D. 8 pages

Question 10

Ethan has 4 boxes with 9 markers in each box. He gives all the markers equally to 6 friends. How many markers does each friend get?

- A. 9 markers
- B. 24 markers
- C. 6 markers
- D. 4 markers

Answer key

1. **B** - The product 45 is the biggest number, so it is the number being divided. Since $5 \times 9 = 45$, we know $45 \div 9 = 5$.
2. **A** - $7 \times 8 = 56$. Students often mix it up with $7 \times 9 = 63$ or $6 \times 8 = 48$.
3. **B** - There are 6 fingers on the left (6 tens) and 3 on the right (3 ones), so $9 \times 7 = 63$. Reading the digits the wrong way gives 36.
4. **A** - $6 \times 8 = 48$, so $48 \div 6 = 8$. The answer 42 is 6×7 , a nearby fact.
5. **C** - $4 \times 9 = 36$, so the missing number is 9. The number 32 is 4×8 .
6. **D** - There are 5 equal groups of 6, so $5 \times 6 = 30$. Adding $5 + 6 = 11$ is a common mistake.
7. **C** - Division is solved by finding the missing factor. Since $8 \times 7 = 56$, we get $56 \div 8 = 7$.
8. **B** - 6 rows of 6 make $6 \times 6 = 36$. Adding $6 + 6 = 12$ is a common mistake.
9. **D** - $72 \div 9 = 8$ because $9 \times 8 = 72$. Seven pages would hold only 63 cards.
10. **C** - First $4 \times 9 = 36$ markers. Then $36 \div 6 = 6$. Stopping after the first step, or mixing up the numbers, gives a wrong answer.

Remember:

- A fact family uses three numbers: $3 \times 8 = 24$, $8 \times 3 = 24$, $24 \div 3 = 8$, $24 \div 8 = 3$.
- Doubles help with 2s, and skip counting helps with 5s and 10s.
- The 9s finger trick: fold down finger n to read the answer to $9 \times n$.
- Break apart a hard fact: $6 \times 8 = 6 \times 4 + 6 \times 4 = 48$.
- To divide, think of the missing factor: $42 \div 6$ means $6 \times ? = 42$.