

Grade 3 · Understanding Division · Quiz

Common Core 3.OA.A.2, 3.OA.A.4, 3.OA.B.6 · mathovore.fr

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

Try these 10 multiple-choice questions on the meaning of division. Each question has exactly one correct answer. Think about sharing, grouping and the related multiplication fact, then read the explanation to check your work.

Grade 3 Common Core: 3.OA.A.2 · 3.OA.A.4 · 3.OA.B.6

Questions

Question 1

Twelve apples are shared equally into 4 baskets. How many apples are in each basket?



12 items shared equally among 4 groups

12 apples shared into 4 baskets.

- A. 8 apples
- B. 3 apples
- C. 16 apples
- D. 4 apples

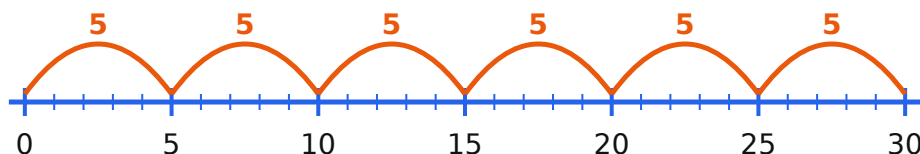
Question 2

Which story matches $18 \div 3 = 6$?

- A. 18 stickers shared equally among 3 friends, 6 each
- B. 18 stickers and 3 more stickers
- C. 3 friends each have 18 stickers
- D. 3 stickers shared equally among 18 friends

Question 3

How many jumps of 5 are needed to reach 30?



6 jumps of 5 on a number line.

- A. 5 jumps
- B. 25 jumps
- C. 35 jumps
- D. 6 jumps

Question 4

Which equation helps solve $40 \div 8 = n$?

- A. $8 + n = 40$
- B. $8 \times n = 40$
- C. $40 \times n = 8$
- D. $8 \times 40 = n$

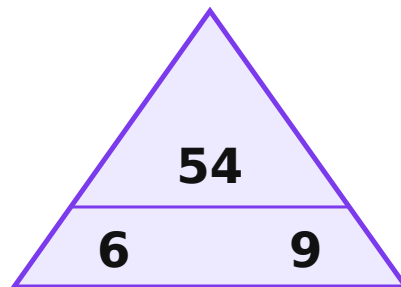
Question 5

What is the value of n in $7 \times n = 56$?

- A. $n = 7$
- B. $n = 9$
- C. $n = 49$
- D. $n = 8$

Question 6

Which division fact belongs to the fact family of 6, 9 and 54?



Fact triangle with 54 at the top and 6 and 9 at the bottom.

- A. $54 \div 6 = 9$
- B. $54 \div 9 = 7$
- C. $6 \div 54 = 9$
- D. $54 - 6 = 9$

Question 7

What is the value of n in $36 \div n = 4$?

- A. $n = 8$

- B. $n = 32$
- C. $n = 9$
- D. $n = 40$

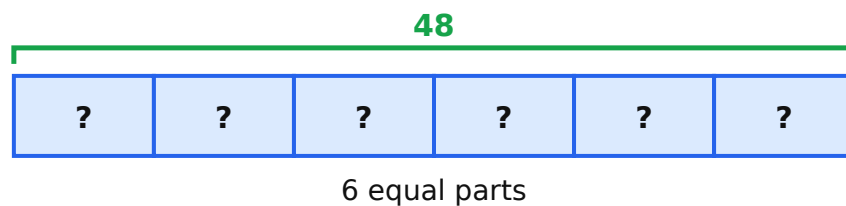
Question 8

Cookies are packed in bags of 5. How many bags are needed for 35 cookies?

- A. 30 bags
- B. 40 bags
- C. 7 bags
- D. 5 bags

Question 9

Forty-eight beads are shared equally among 6 bracelets. How many beads are on each bracelet?



A tape diagram with 6 equal parts for a total of 48.

- A. 8 beads
- B. 6 beads
- C. 42 beads
- D. 54 beads

Question 10

What is the value of m in $m \div 4 = 9$?

- A. $m = 5$
- B. $m = 13$
- C. $m = 32$
- D. $m = 36$

Answer key

1. **B** – Twelve divided by 4 is 3, because 4 times 3 is 12. Subtracting or adding 12 and 4 does not make equal groups.
2. **A** – The total, 18, is split into 3 equal groups, giving 6 in each group.
3. **D** – Thirty divided by 5 is 6, because 5 times 6 is 30. Adding or subtracting 30 and 5 does not count jumps.
4. **B** – Division is an unknown-factor problem: 8 times what number equals 40?
5. **D** – Think 56 divided by 7, which is 8. Check: 7 times 8 is 56.
6. **A** – The total 54 is divided by one factor to get the other: 54 divided by 6 is 9.
7. **C** – Think 4 times what number equals 36? The answer is 9. Subtracting 4 from 36 is a common mistake.
8. **C** – Thirty-five divided by 5 is 7. Check: 5 times 7 is 35.
9. **A** – Forty-eight divided by 6 is 8, because 6 times 8 is 48.
10. **D** – The unknown is the total. Four groups of 9 make 36. Check: 36 divided by 4 is 9.

Remember:

- In sharing, the number of groups is known and the answer is the size of each group.
- In grouping, the size of each group is known and the answer is the number of groups.
- $24 \div 3$ is the same as finding n in $3 \times n = 24$.
- A fact family joins two multiplication facts and two division facts.
- Check a division answer by multiplying the quotient by the divisor.