

KS1 Maths Quiz - Year 2 Calculation - Division (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Maths and Numeracy for children aged 6 and 7 in year 2. Specifically this quiz is aimed at the section dealing with using related division facts to perform written and mental calculations.

Year 2 children should begin to understand the relationship (or facts) between multiplication and division, and learn how they can use that relationship to check their answers. For example, if they calculate that $3 \times 4 = 12$, then they could check by calculating that 12 shared into 4 equal groups would give 3 in each group. Knowing and using the division facts will help with this.

1. Which number is missing?

$$90 \div ? = 10$$

- 19
- 90
- 9
- 109

2. If 10 groups of 3 is 30...

- then 30 multiplied by 30 will give 10
- then 30 divided by 30 will give 3
- then 30 multiplied by 3 will give 10
- then 30 divided into groups of 3 will give 10 groups

3. Which number is missing?

$$? \div 5 = 7$$

- 35
- 57
- 75
- 30

4. Which division calculation could you use to check this is correct:

$$5 \times 6 = 30$$

- $6 \div 30 = 5$
- $6 \div 5 = 30$
- $30 \div 5 = 5$
- $30 \div 5 = 6$

5. Which 'family' of facts is correct?

- $2 \times 3 = 5$
 $6 \times 2 = 3$
 $6 \div 5 = 3$
 $2 \div 3 = 6$
- $4 \times 5 = 20$
 $5 \times 4 = 20$
 $20 \div 4 = 5$
 $20 \div 5 = 4$
- $2 \times 8 = 14$
 $8 \times 2 = 14$
 $18 \div 2 = 8$
 $18 \div 8 = 2$
- $4 \times 9 = 50$
 $9 \times 4 = 50$
 $55 \div 4 = 9$
 $55 \div 9 = 4$

6. Which division calculation could you use to check this is correct:

$$10 \times 5 = 50$$

- $50 \div 50 = 10$
- $50 \div 5 = 10$
- $10 \div 5 = 50$
- $10 \div 50 = 5$

7. What is the opposite, or inverse of multiplication?

- Subtraction
- Addition
- Multiplication
- Division

8. What could you do to check this calculation is correct:

$$9 \times 5 = 45$$

- Multiply 45 by 9
- Divide 45 by either 9 or 5
- Multiply 45 by 5
- Find the total of all 3 numbers

9. Seven groups of 2 makes 14 so 14 divided into groups of 2 would make...

- 28 groups
- 14 groups
- 2 groups
- 7 groups

10. Which two division facts can be found from knowing that $8 \times 5 = 40$?

- $5 \div 5 = 8$ and $8 \div 8 = 5$
- $40 \div 5 = 8$ and $40 \div 8 = 5$
- $40 \div 40 = 8$ and $5 \div 5 = 40$
- $8 \div 5 = 40$ and $5 \div 8 = 40$

KS1 Maths Quiz - Year 2 Calculation - Division (Answers)

1. Which number is missing?

$$90 \div ? = 10$$

- 19
 90
 9
 109

$$9 \times 10 = 90 \text{ so } 90 \div 9 = 10$$

2. If 10 groups of 3 is 30...

- then 30 multiplied by 30 will give 10
 then 30 divided by 30 will give 3
 then 30 multiplied by 3 will give 10
 then 30 divided into groups of 3 will give 10 groups

A division 'cancels out' the multiplication as it is the opposite

3. Which number is missing?

$$? \div 5 = 7$$

- 35
 57
 75
 30

$$5 \times 7 = 35 \text{ so } 35 \div 5 = 7$$

4. Which division calculation could you use to check this is correct:

$$5 \times 6 = 30$$

- $6 \div 30 = 5$
 $6 \div 5 = 30$
 $30 \div 5 = 5$
 $30 \div 5 = 6$

In the division fact, the largest number always comes first

5. Which 'family' of facts is correct?

- $2 \times 3 = 5$
 $6 \times 2 = 3$
 $6 \div 5 = 3$
 $2 \div 3 = 6$
 $4 \times 5 = 20$
 $5 \times 4 = 20$
 $20 \div 4 = 5$
 $20 \div 5 = 4$
 $2 \times 8 = 14$
 $8 \times 2 = 14$
 $18 \div 2 = 8$
 $18 \div 8 = 2$
 $4 \times 9 = 50$
 $9 \times 4 = 50$
 $55 \div 4 = 9$
 $55 \div 9 = 4$

If the multiplication facts are correct, the division facts should use the same numbers

6. Which division calculation could you use to check this is correct:

$$10 \times 5 = 50$$

- $50 \div 50 = 10$
 $50 \div 5 = 10$
 $10 \div 5 = 50$
 $10 \div 50 = 5$

You could also use $50 \div 10 = 5$

7. What is the opposite, or inverse of multiplication?

- Subtraction
 Addition
 Multiplication
 Division

Division and multiplication are the inverse of each other, as are addition and subtraction

8. What could you do to check this calculation is correct:

$$9 \times 5 = 45$$

- Multiply 45 by 9
 Divide 45 by either 9 or 5
 Multiply 45 by 5
 Find the total of all 3 numbers

The calculation is correct, but checking it with either division would prove it

9. Seven groups of 2 makes 14 so 14 divided into groups of 2 would make...

- 28 groups
 14 groups
 2 groups
 7 groups

$$\text{If } 7 \times 2 = 14, \text{ then } 14 \div 2 = 7 \text{ or } 14 \div 7 = 2$$

10. Which two division facts can be found from knowing that $8 \times 5 = 40$?

- $5 \div 5 = 8$ and $8 \div 8 = 5$
 $40 \div 5 = 8$ and $40 \div 8 = 5$
 $40 \div 40 = 8$ and $5 \div 5 = 40$
 $8 \div 5 = 40$ and $5 \div 8 = 40$

The largest number comes first, followed by either of the smaller numbers to give the other as the answer