Related division

6 questions | 9 marks

Equivalent correct methods earn the corresponding marks.

1. Find 54 ÷ 6. [1 mark]

6 × 9 = 54.

Answer: 9.

2. Find 64 ÷ 8. [1 mark]

8 × 8 = 64.

Answer: 8.

3. Write both division facts related to 4 × 9 = 36. [2 marks]

Start each division with the product 36.

Answer: 36 ÷ 4 = 9 and 36 ÷ 9 = 4.

4. 45 cards are packed in groups of 5. How many groups are there? [1 mark]

45 ÷ 5 = 9 because 5 × 9 = 45.

Answer: 9 groups.

5. Thirty counters are shared among 6 pupils. A learner answers '5 pupils'. Correct the answer and its unit. [2 marks]

30 ÷ 6 = 5.

The six pupils are given; the quotient counts counters each.

Answer: 5 counters per pupil.

6. Explain why 0 ÷ 7 = 0 does not mean that 7 ÷ 0 is allowed. [2 marks]

7 × 0 = 0 checks 0 ÷ 7.

No number multiplied by 0 gives 7, so 7 ÷ 0 is undefined.

Answer: Zero counters shared among seven groups gives zero each. Dividing seven by zero has no valid group size answer.