Related division

6 questions | 9 marks

Equivalent correct methods earn the corresponding marks.

1. Find $54 \div 6$. [1 mark]

$6 \times 9 = 54$.

Answer: 9.

2. Find $64 \div 8$. [1 mark]

$8 \times 8 = 64$.

Answer: 8.

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

Start each division with the product 36.

Answer: $36 \div 4 = 9$ and $36 \div 9 = 4$.

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

$45 \div 5 = 9$ because $5 \times 9 = 45$.

Answer: 9 groups.

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

$30 \div 6 = 5$.

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

Answer: 5 counters per pupil.

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

$7 \times 0 = 0$ checks $0 \div 7$.

No number multiplied by 0 gives 7, so $7 \div 0$ is undefined.

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