Fraction/decimal/percentage quantities

6 questions | 11 marks

Equivalent correct methods earn the corresponding marks.

1. Write 7/10 as a decimal and a percentage. [2 marks]

7/10=70/100.

Answer: 0.7 and 70%.

2. Find 20% of 45 metres. [2 marks]

10% is 4.5 m; twice that is 9 m.

Answer: 9 m.

3. Find 60% of 30 counters. [2 marks]

10% is 3 counters; 6×3=18.

Answer: 18 counters.

4. Find 1/8 of 56 litres, then name this fraction as a percentage. [2 marks]

56÷8=7; 1/8 is half of 1/4, so half of 25% is 12.5%.

Answer: 7 L; 12.5%.

5. Sixteen of 40 library books are about animals. What percentage is that? [2 marks]

16/40=4/10=40/100.

Answer: 40%.

6. Find 25% of 28 students. [1 mark]

25%=1/4 and 28÷4=7.

Answer: 7 students.