Fraction/decimal/percentage quantities

6 questions | 11 marks

Equivalent correct methods earn the corresponding marks.

1. Write $\frac{7}{10}$ as a decimal and a percentage. [2 marks]

$\frac{7}{10} = \frac{70}{100}$.

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; $6 \times 3 = 18$.

Answer: 18 counters.

4. Find $\frac{1}{8}$ of 56 litres, then name this fraction as a percentage. [2 marks]

$56 \div 8 = 7$; $\frac{1}{8}$ is half of $\frac{1}{4}$, 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]

$\frac{16}{40} = \frac{4}{10} = \frac{40}{100}$.

Answer: 40%.

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

$25\% = \frac{1}{4}$ and $28 \div 4 = 7$.

Answer: 7 students.