Unit conversions

6 questions | 12 marks

Equivalent correct methods earn the corresponding marks.

1. Convert 0.375 km to metres. [2 marks]

$0.375 \times 1000 = 375$.

Answer: 375 m.

2. Convert 4800 mm to metres. [2 marks]

$4800 \div 1000 = 4.8$.

Answer: 4.8 m.

3. Convert 2.45 m^2 to cm^2. [2 marks]

$2.45 \times 100^2 = 24\,500$.

Answer: 24,500 cm^2.

4. Convert 65,000 cm^2 to m^2. [2 marks]

$65\,000 \div 10\,000 = 6.5$.

Answer: 6.5 m^2.

5. Convert 0.072 m^3 to litres. [2 marks]

$0.072 \times 1000 = 72$.

Answer: 72 L.

6. Convert 450 mL to cm^3 and litres. [2 marks]

1 mL equals 1 cm^3.

$450 \div 1000 = 0.45$ L.

Answer: 450 cm^3; 0.45 L.