Choosing and converting area units

6 questions | 14 marks

Equivalent correct methods earn the corresponding marks.

1. Convert 7 cm² to mm². [2 marks]

$7 \times 100 = 700$ mm².

Answer: 700 mm².

2. Convert 0.6 m² to cm². [2 marks]

$0.6 \times 10000 = 6000$ cm².

Answer: 6000 cm².

3. Convert 35,000 cm² to m². [2 marks]

$35000 \div 10000 = 3.5$ m².

Answer: 3.5 m².

4. Convert 2.5 hectares to m². [2 marks]

$2.5 \times 10000 = 25000$ m².

Answer: 25,000 m².

5. A board is 1.5 m long and 40 cm wide. Find its area in m². [3 marks]

40 cm is 0.4 m.

$A = 1.5(0.4) = 0.6$ m².

Answer: 0.6 m².

6. A student says 0.03 km² is 30 m². Correct the answer and explain the conversion. [3 marks]

A square kilometre contains $1000 \times 1000 = 1000000$ m².

$0.03 \times 1000000 = 30000$ m².

Answer: 30,000 m².