Deriving rectangle area

6 questions | 8 marks

Equivalent correct methods earn the corresponding marks.

1. Find the area of a 7 cm by 4 cm rectangle. [1 mark]

7×4=28.

Answer: 28 square centimetres.

2. Find the area of a 12 m by 3 m rectangle. [1 mark]

12×3=36.

Answer: 36 square metres.

3. Find the area of a square with side 9 cm. [1 mark]

9×9=81.

Answer: 81 square centimetres.

4. A grid has 5 rows and 8 columns of one-centimetre squares. Find its area. [1 mark]

5×8=40.

Answer: 40 square centimetres.

5. A rectangle is 1 m long and 30 cm wide. Find its area in square centimetres. [2 marks]

1 m=100 cm; 100×30=3,000.

Answer: 3,000 square centimetres.

6. A 6 cm by 4 cm rectangle has perimeter 20 cm. Is its area also 20 square centimetres? Explain. [2 marks]

Area=6×4=24; perimeter=6+4+6+4=20.

Answer: No. Its area is 24 square centimetres.