Boundary/interior

6 questions | 7 marks

Equivalent correct methods earn the corresponding marks.

1. A garden needs edging all the way around. Which measure is needed? [1 mark]

Edging follows the whole boundary.

Answer: Perimeter.

2. A wall will be painted. Which measure describes the surface to paint? [1 mark]

Paint covers the wall interior.

Answer: Area.

3. Name the part of a shape that separates its inside from its outside. [1 mark]

The boundary runs around the edge.

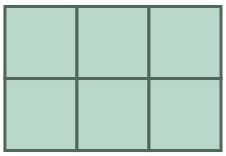
Answer: The boundary.

4. Which unit fits an area: centimetres or square centimetres? [1 mark]

Area counts square units that cover a surface.

Answer: Square centimetres.

5. A 3 by 2 grid is completely shaded. Find its area. [1 mark]



Each square is 1 square unit

There are 3 squares in each of 2 rows.

3 + 3 = 6 square units.

Answer: 6 square units.

6. A student says, “The area of a square is the length of its fence.” Explain the error. [2 marks]

A fence follows the boundary rather than covering the surface.

Answer: The fence length is perimeter; area is the space inside.