

Perimeter and Area

Chapter 9: Perimeter and Area · Topic 1

Key Concept

Perimeter is calculated by adding all the sides of a shape, while area is calculated using specific formulas depending on the shape.

For a rectangle, $\text{area} = \text{length} \times \text{width}$, while for a square, $\text{area} = \text{side} \times \text{side}$.

Area is measured in square units, like square centimetres or square metres, since it measures a two-dimensional space.

Understanding perimeter and area helps in real-life situations, like calculating fencing needed or flooring for a room.

Quick Revision Notes

- Perimeter is the distance around a shape.
- Area is the space inside a shape.
- Rectangle area = $\text{length} \times \text{width}$.
- Square area = $\text{side} \times \text{side}$.
- Area is measured in square units.
- Examples: square cm or square m.
- Perimeter helps calculate fencing needed.
- Area helps calculate flooring needed.

Practice Questions

- 1 Calculate the area of a rectangle with length 6cm and width 4cm.
- 2 Calculate the area of a square with side 5cm.
- 3 Find the perimeter and area of your classroom door.
- 4 Discuss the difference between perimeter and area.
- 5 Solve two area problems.
- 6 Discuss when you'd calculate area in real life.