

Perimeter of Plane Figures

Chapter 6: Perimeter and Area · Topic 1

Key Concept

Perimeter has many practical applications — calculating the amount of fencing needed to enclose a garden, the length of ribbon needed to go around a box, or the distance covered walking once around a park's boundary. For irregular shapes, perimeter is still found by adding all side lengths, even if the formula isn't as simple as for regular shapes like squares and rectangles.

Quick Revision Notes

- Perimeter of rectangle = $2(\text{length} + \text{breadth})$; perimeter of square = $4 \times \text{side}$.
- Perimeter is the total boundary length, measured in linear units.
- Practical uses: fencing, ribbon length, distance walked around a boundary.
- For irregular shapes, perimeter is found by adding all side lengths directly.

Practice Questions

- 1 Find the perimeter of a rectangle with length 8 cm and breadth 5 cm.
- 2 Calculate the amount of fencing needed for a square garden with side 12m.
- 3 Explain how to find the perimeter of an irregular (non-rectangular) shape.