

Geometry - Lines and Shapes

Chapter 8: Geometry - Lines and Shapes · Topic 1

Key Concept

Lines can be straight (going directly without bending) or curved (bending), and can be horizontal, vertical, or slanting.

2D shapes like triangles, squares, rectangles, and circles have different numbers of sides and corners, defining their properties.

3D shapes like cubes, spheres, and cylinders have length, width, and height, unlike flat 2D shapes.

Understanding lines and shapes helps us recognise patterns in the world around us and prepares us for more advanced geometry.

Quick Revision Notes

- Lines: straight or curved.
- They can be horizontal, vertical, slanting.
- 2D shapes: triangles, squares, rectangles, circles.
- They have specific sides and corners.
- 3D shapes: cubes, spheres, cylinders.
- They have length, width, height.
- This differs from flat 2D shapes.
- Understanding shapes helps recognise patterns.

Practice Questions

- 1 Draw a straight line and a curved line.
- 2 Draw a triangle, square, and circle.
- 3 Name a 3D shape and its properties.
- 4 Find 3D shapes around your home.
- 5 Draw a horizontal and vertical line.
- 6 Compare a 2D shape and a 3D shape.