

Identifying Symmetrical Designs

Chapter 10: Symmetrical Designs · Topic 1

Key Concept

A symmetrical design has one or more lines of symmetry, where folding along that line creates two matching halves.

We can identify symmetry by looking for balance - if one side of a design looks like a mirror image of the other, it is likely symmetrical.

Symmetrical designs are common in nature (butterfly wings, leaves), art (mandalas), architecture (many building facades), and everyday objects.

Practising identification of symmetry helps develop our observation skills and appreciation for balance and pattern in the world around us.

Quick Revision Notes

- A symmetrical design has one or more lines of symmetry.
- Folding along the line creates matching halves.
- We identify symmetry by looking for visual balance.
- A mirror-image side suggests symmetry.
- Nature shows symmetry in butterflies and leaves.
- Art and architecture often use symmetrical designs.
- Identifying symmetry develops observation skills.
- Symmetry appreciation connects to balance in design.

Practice Questions

- 1 Find five symmetrical objects or designs around you.
- 2 Check a leaf or flower for symmetry.
- 3 Identify symmetry in a building or artwork.
- 4 Fold paper cutouts to test for symmetry.
- 5 Draw a symmetrical design of your own.
- 6 Discuss why symmetry looks pleasing to us.