

Understanding Symmetry and Lines of Symmetry

1. What do we mean by saying a figure is "symmetrical"?

2. Which of the following objects are symmetrical? (i) butterfly (ii) cloud (iii) flower (iv) TajMahal

3. What is a line of symmetry? Give one example from your surroundings.

4. Take a square paper. How many lines of symmetry can you fold it along?

5. Is the diagonal of a rectangle a line of symmetry? Justify your answer by folding or drawing.

6. Can a figure have more than one line of symmetry? Give two examples.

7. Which has more lines of symmetry: a square or a rectangle? Explain.

8. Draw a triangle with no line of symmetry.

9. Name a natural object that has symmetry. How do you know?

10. Can irregular shapes like clouds have a line of symmetry? Why or why not?
