

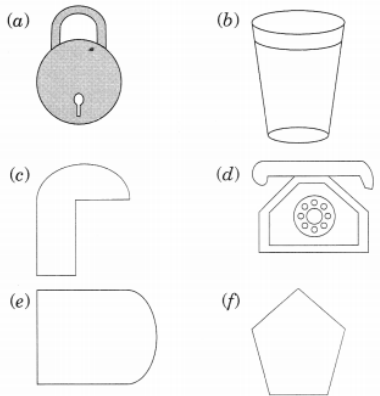
Board- CBSE

Std- 6

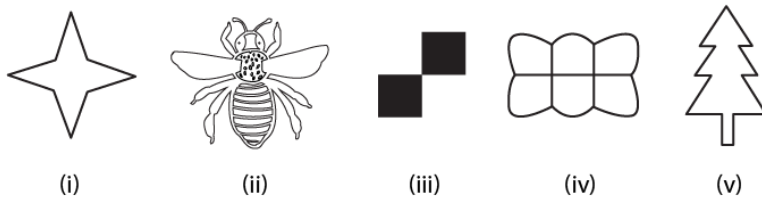
Topic- Symmetry

Worksheet

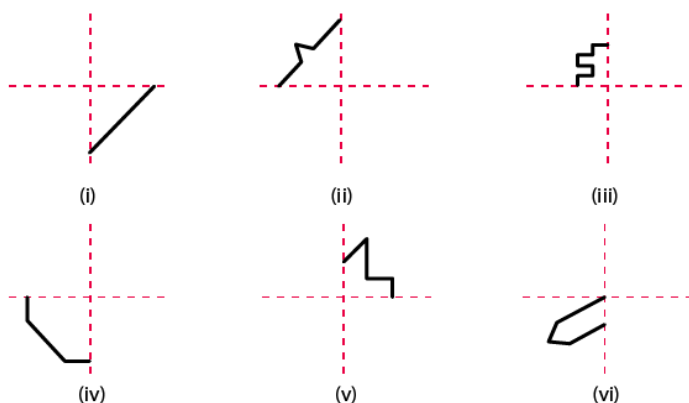
1. Identify the shapes given below. Check whether they are symmetrical or not. Draw the line of symmetry as well.



2. Find the number of lines of symmetry in each of the following shapes.



3. Copy the following drawings on squared paper and complete each one of them in such a way that the resulting figure has two dotted lines as two lines of symmetry:



4. On a squared paper, sketch the following:
- (i) A triangle with a horizontal line of symmetry but no vertical line of symmetry.
  - (ii) A quadrilateral with both horizontal and vertical lines of symmetry.
  - (iii) A quadrilateral with a horizontal line of symmetry but no vertical line of symmetry.
  - (iv) A hexagon with exactly two lines of symmetry.
  - (v) A hexagon with six lines of symmetry.
5. State whether the following statements are true or false:
- (i) A right-angled triangle can have at most one line of symmetry.
  - (ii) An isosceles triangle with more than one line of symmetry must be an equilateral triangle.
  - (iii) A pentagon with one line of symmetry can be drawn.
  - (iv) A pentagon with more than one line of symmetry must be regular.
  - (v) A hexagon with a line of symmetry can be drawn.
  - (vi) A hexagon with more than two lines of symmetry must be regular.