

Q.1. State the number of lines of symmetry for the following figures:-

- (i) An equilateral (ii) An isosceles (iii) A scalene (iv) A Square (v) A rectangle
(vi) A rhombus (vii) parallelogram (viii) A quadrilateral (ix) A regular hexagon
(x) A circle

Q.2. What letters of the English alphabet have reflectional symmetry:-

- (a) A vertical mirror (b) A horizontal mirror (c) both horizontal & vertical mirror.

Q.3. Give 3 examples of shapes with no line of symmetry.

Q.4. What other name can you give to the line of symmetry if:

- (a) An isosceles triangle (b) A Circle

Q.5. Name any two figures that have both line symmetry & rotational symmetry.

Q.6. Fill in the blanks:

| Shape | Centre of Rotation | Order of Rotation | Angle of Rotation |
|----------------------|--------------------|-------------------|-------------------|
| Square | | | |
| Rectangle | | | |
| Equilateral Triangle | | | |
| Regular hexagon | | | |
| Circle | | | |
| Semi-Circle | | | |

Q.7. Name the quadrilaterals which have both line and rotational symmetry of order more than 1.

Q.8. After rotating by 60° about a centre, a figure looks exactly the same as its original position. At what other angles will this happen for the figure?