

## CHAPTER-9 | Symmetry

QUIZ  
PART-12

1. Symmetry means a shape has:

- A. Only curves
- B. Repeated matching parts
- C. Only corners
- D. Only equal sides (B)

**Explanation:** A symmetrical shape is made of matching parts in which a pattern is repeated.

2. The angle of rotational symmetry is the angle through which a figure:

- A. Is folded
- B. Is cut
- C. Is rotated to look the same
- D. Is coloured (C)

**Explanation:** It is the angle through which a figure can be rotated and still look exactly the same.

3. Which capital letter has a vertical line of symmetry?

- A. A
- B. F
- C. G
- D. Q (A)

**Explanation:** The chapter itself gives A as an example of a letter with vertical symmetry.

4. Which capital letter has a horizontal line of symmetry?

- A. B
- B. k
- C. L
- D. P (A)

**Explanation:** The chapter gives B as an example for horizontal symmetry.

5. Which capital letter does not have a line of symmetry?

- A. H
- B. O
- C. Q
- D. X (C)

**Explanation:** The chapter gives Q as an example of a letter with no symmetry line.

6. A figure with one vertical line of symmetry can be divided into:

- A. Three equal parts
- B. Two matching halves
- C. Four corners
- D. Two unequal halves (B)

**Explanation:** A line of symmetry divides a figure into two equal matching parts.

7. Rotational symmetry is checked by rotating a figure around its:

- A. Side
- B. Corner
- C. Centre
- D. Edge (C)

**Explanation:** A figure is rotated about its centre to see whether it looks the same again.

8. Which of these letters has no line of symmetry?

- A. M
- B. Q
- C. T
- D. U (B)

**Explanation:** Q does not match itself on folding along any line. The chapter directly points to Q for no symmetry line.

9. If a shape looks the same after a turn, it has:

- A. Reflection only
- B. Rotational symmetry
- C. No symmetry
- D. Translation (B)

**Explanation:** Looking the same after rotation means the figure has rotational symmetry.

10. Which topic is directly practised in this PDF besides symmetry definition?

- A. Fractions
- B. Perimeter
- C. Line of symmetry
- D. Data handling (C)

**Explanation:** The practice pages include drawing the line of symmetry in figures and completing figures using symmetry lines.