

# Maths-7

## Chapter 11: Symmetry- Answer Key

### A. MCQs

1. B
2. B
3. D
4. C
5. D

### B. Fill in the Blanks

1. Asymmetrical
2. 2
3. Mirror
4. 5
5. Turn/rotation

### C. Short Answers

1. A line that divides a figure into two equal and identical parts.
2. Example: Isosceles triangle (1 line of symmetry).
3. 3 lines of symmetry.
4. A, H, I, M (any two).
5. A figure has rotational symmetry if it looks the same after rotating it.  
Example: A square has order 4.

### D. Application-Based Answers

1. Order = 4 (since a full turn has 4 quarter-turns).
2. Yes, a regular star has equal sides and angles, giving 5 lines of symmetry.

3. It is symmetrical and has at least one line of symmetry.
4. Order = 2 (looks the same after  $180^\circ$ ).
5. 0 lines of symmetry.