

Class: 7
Subject: Mathematics
Topic: Symmetry
No. of Questions: 20
Duration: 60 Min
Maximum Marks: 60

1. Which of the followings has both horizontal as well as vertical line of symmetry?

- A. H
- B. A
- C. S
- D. V

Sol: A

2. The mirror image of 'W', when the mirror is placed vertically:

- A. W
- B. M
- C. V
- D. U

Sol: A

3. A parallelogram has _____ lines of symmetry:

- A. 2
- B. 0
- C. 3
- D. 1

Sol: B

4. Which of the following alphabets has line symmetry?

- A. Z
- B. Q
- C. P
- D. A

Sol: D (Vertical line of symmetry)

5. How many lines of symmetries are there in an equilateral triangle?

- A. 2
- B. 3
- C. 0
- D. 1

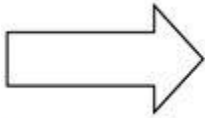
Sol: B

6. How many lines of symmetries are there in rectangle?

- A. None of these
- B. 1
- C. 0
- D. 2

Sol: D (Horizontal and vertical)

7. Find the number of lines of symmetry of the following figure:



- A. None of these
- B. 3
- C. 1
- D. 2

Sol: C (Only horizontal line of symmetry is present)

8. Letter 'A' of the English alphabet have reflectional symmetry (i.e., symmetry related to mirror reflection) about.
- A. a vertical mirror
 - B. a horizontal mirror
 - C. None of these
 - D. Both

Sol: A

9. Letter 'B' of the English alphabet have reflectional symmetry (i.e., symmetry related to mirror reflection) about.
- A. a vertical mirror
 - B. a horizontal mirror
 - C. both
 - D. None of these

Sol: B

10. Letter 'I' of the English alphabet have reflectional symmetry (i.e., symmetry related to mirror reflection) about.
- A. Both horizontal & vertical
 - B. Neither horizontal nor vertical
 - C. A horizontal mirror
 - D. A vertical mirror

Sol: A

11. Find the number of lines of symmetry in the below figure:



- A. 1
- B. 3
- C. 2

D. 4

Sol: D (Horizontal, vertical, and two diagonal)

12. Find the number of lines of symmetry in a circle.

- A. 1
- B. 2
- C. 3
- D. Many

Sol: D

Circle has infinite lines of symmetry

13. Which of the followings has no line of symmetry?

- A. S
- B. A
- C. H
- D. U

Sol: A

14. Which of the followings has both horizontal as well as vertical line of symmetry?

- A. B
- B. Z
- C. P
- D. I

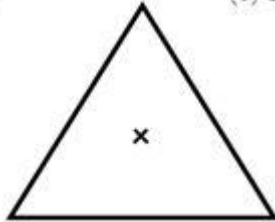
Sol: D

15. Find the number of lines of symmetry in a scalene triangle.

- A. 0
- B. 1
- C. 3
- D. 2

Sol: A

16. The order of the rotational symmetry of the below figure about the point marked 'x'

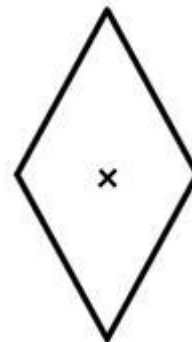


- A. 1
- B. 3
- C. 2
- D. 0

Sol: C

17. The order of the rotational symmetry of the below figure about the point marked 'x'

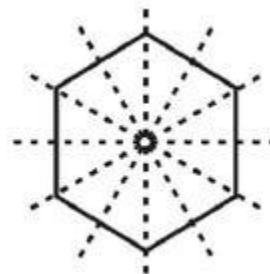
- A. 1
- B. 3
- C. 2
- D. 0



Sol: B

18. Find the number of lines of symmetry of the following figure:

- A. 5
- B. 6
- C. 3
- D. 4



Sol: B

19. The angle by which the object rotates is called the _____.

- A. angle of rotation
- B. compliment angle
- C. angle of reflection
- D. None of these

Sol: A

20. In a complete turn (of 360°), the number of times an object looks exactly the same is called _____.

- A. rotational symmetry
- B. None of these
- C. line symmetry
- D. reflection symmetry

Sol: A