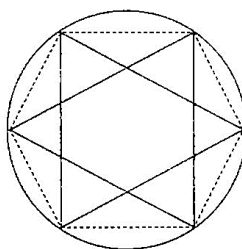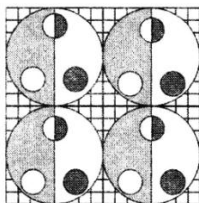# QUESTIONS

1. How many number of lines of symmetry does the following figure have?

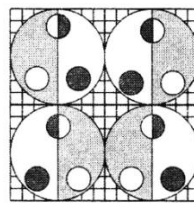
(a) 7   (b) 5   (c) 6   (d) 9

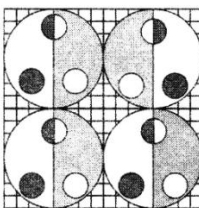**2.** Which of the following figures option(s) has a line of symmetry?

(a)   (b)

(c)   (d) None of these

3. Choose the letter of English alphabet which have no line of symmetry?

(a) Q   (b) X   (c) D   (d) I
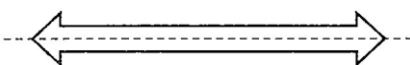
4. How many lines of symmetry does the given figure have?
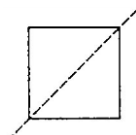

(Irregular quadrilateral)

(a) 4 line of symmetry   (b) 2 line of symmetry
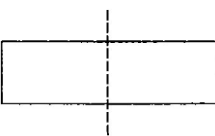
(c) No line of symmetry   (d) None of these

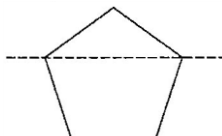**5.** Identify among following figures the lines drawn are not symmetry lines for the figures.

(a)   (b)

(c)   (d)

6. Which of the following is matched correctly?

	Figure / Object		Line of symmetry
(L)		(p)	5
(M)		(q)	4
(N)		(r)	2
(O)		(s)	1

(a) $M \to p$ (b) $N \to q$ (c) $O \to s$ (d) $L \to r$

7. Which of the following alphabets has no line of symmetry?

(a) A   (b) T   (c) P   (d) X

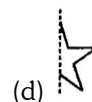**8.** Which of the following alphabets has two lines of symmetry?

(a) I   (b) O   (c) P   (d) F

9. Identify the shape with infinite lines of symmetry

(a) Circle   (b) Rhombus   (c) Isosceles triangle   (d) Square

10. The given figure shows an incomplete figure. The dotted line shows the line of symmetry of the figure.

Which figure correctly represents the missing part of the given figure?

(a)   (b)   (c)   (d)
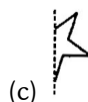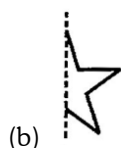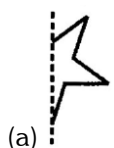
11. Which of the following figures has more than one line of symmetry?

(a)   (b)

(c)   (d)
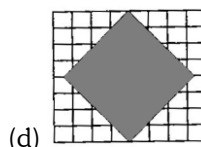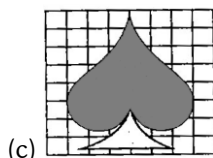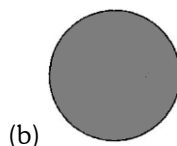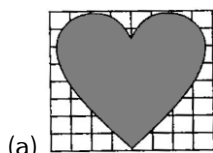
12. How many lines of symmetry does the given figure have

(a) 1 line of symmetry   (b) zero line of symmetry

(c) 2 lines of symmetry   (d) None of these

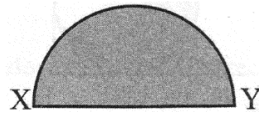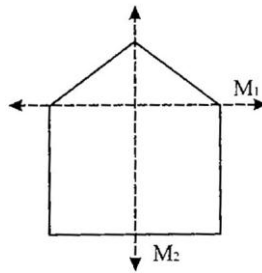**13.** Choose the triangle(s) which have no line of symmetry.

(a) A scalene triangle   (b) An isosceles triangle

(c) An equilateral triangle   (d) All of these

14. Identify the correct figure that shows the y and x axis of symmetry of the letter 'H'

(a)   (b)   (c)   (d)

15. From the given figure, identify the mirror line.

(a) M_1 (b) M_2 (c) M_1 and M_2 (d) None of these

16. How many lines of symmetry does the figure given below have?

(a) 4   (b) 1   (c) 5   (d) 0

17. How many lines of symmetry does a line segment have?

(a) No line of symmetry   (b) Only one at its perpendicular bisector

(c) Two lines of symmetry   (d) None of these

18. Identify the figure that shows the line of symmetry, if the given figure.

(a)   (b)   (c)   (d)
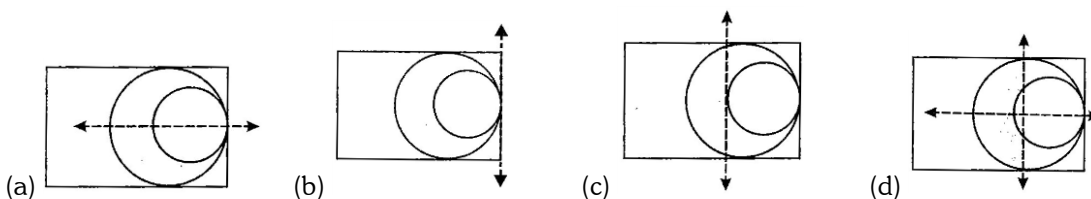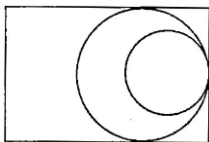
19. WXYZ, is a kite in which WZ = YZ and XY = YZ. The kite is asymmetrical about.
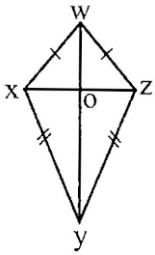
(a) The diagonal WY   (b) The diagonal XZ

(c) The point O   (d) The side XY

20. Find the number of line of symmetry for the following shape.

(a) 1   (b) 2   (c) 3   (d) 4

21. A rhombus is symmetrical about.

(a) The line joining the midpoints of its adjacent sides

(b) Each of its diagonals.

(c) Perpendicular bisector of each of its sides.

(d) None of these

22. How many line of symmetry does the given figure.

(a) 1 line of symmetry   (b) Zero line of symmetry

(c) 2 lines of symmetry   (d) Infinite lines of symmetry

23. Find the number of lines of symmetry of the figure given.

(a) 6   (b) 1   (c) 4   (d) 8

24. What is the line of symmetry for the letters F, G, J, L, N, P, Q, R, S and Z of the English alphabet?

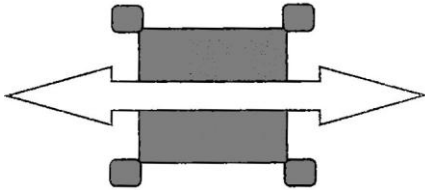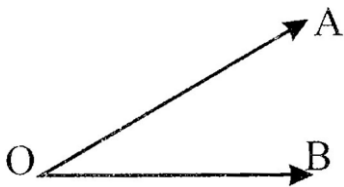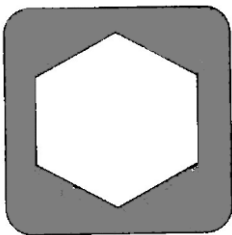(a) Vertical line of symmetry

(b) Horizontal line of symmetry

(c) Both (a) & (b)

(d) None of these

**25.** How many lines of symmetry does the given figure have?
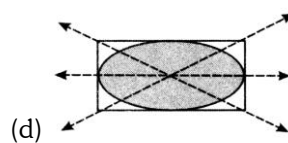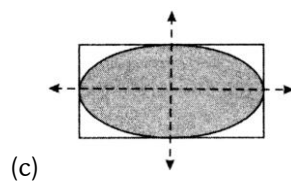

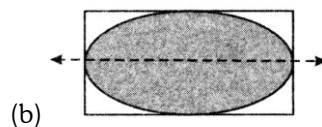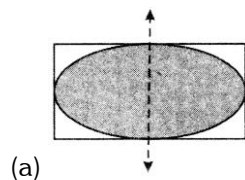(a) 0   (b) 1   (c) 2   (d) 4

26. A line segment $\overline{PQ} = 10.2\ cm$ is bisected at O, then length of $\overline{PO}$ is

(a) $4.2\ cm$ (b) $4\ cm$ (c) $5.1\ cm$ (d) $16.4\ cm$

27. Which of the following options is correct?

Symbol/ Objects		Line of symmetry	
(a)	Q	(p)	1
(b)	U	(q)	4
(c)	(Square)	(r)	0
(d)	(Circle)	(s)	Infinite

28. How many lines of symmetry does the given figure have?

(a)

(b)

(c)

(d)
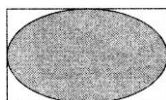
29. Select the figure that shows the lines of symmetry for the given figure.
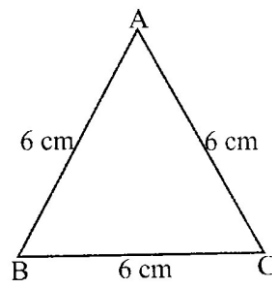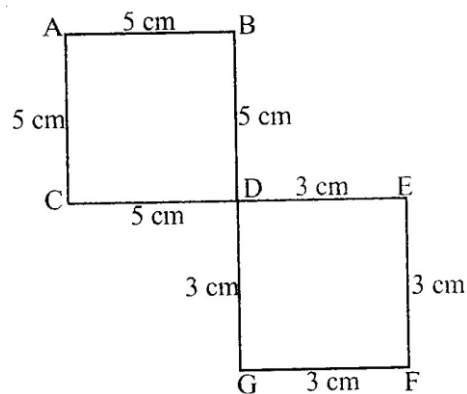

(a)

(b)

(c)
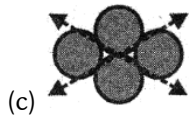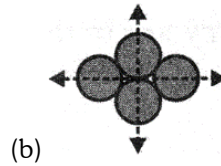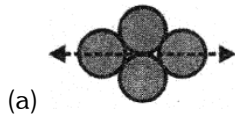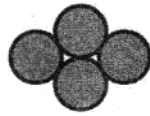
(d) All of these

30. A regular heptagon has _____ line of symmetry?

(a) 7   (b) 6   (c) 8   (d) None of these

31. How many lines of symmetry is in the given triangle?

(a) 3   (b) 2   (c) 4   (d) 6

32. How many lines of symmetry is in the given square?

(a) 8   (b) 6   (c) 7   (d) 9

33. An equilateral triangle is symmetrical about each of its

(a) Altitudes   (b) Medians   (c) Angle bisector   (d) All of these

34. A Regular polygon is having n sides. Find how many lines of symmetry are there?

(a) n   (b) $\dfrac{n}{2}$ (c) 2n   (d) None of these

35. How many lines of symmetry are in the given regular hexagon?
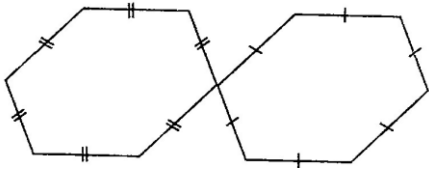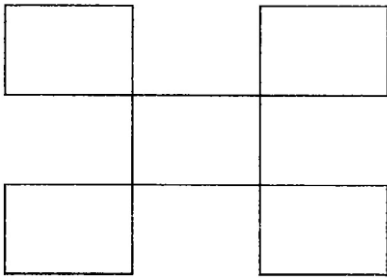

(a) 12   (b) 13   (c) 15   (d) 20

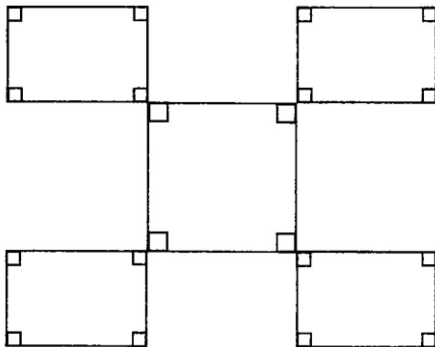**36.** How many lines of symmetry are in the given figure?

(a) 4   (b) 6   (c) 7   (d) 8

37. How many line of symmetry dies India gate have?
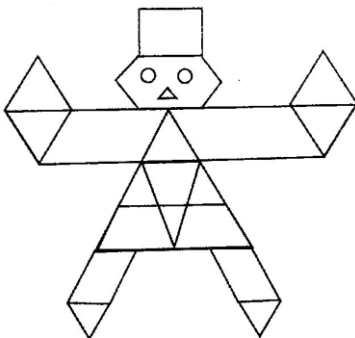
(a) 1   (b) 2   (c) 4   (d) 5

38. How many lines of symmetry are in the given figure?

(a) 4   (b) 5   (c) 6   (d) 7

39. How many lines of symmetry are in the given figure

(a) 1   (b) 2   (c) 3   (d) 4

40. How many lines of symmetry are in Lotus temple?

(a) 1   (b) 2   (c) 5   (d) 10

ANSWER - KEY

1. C	**2.** D	**3.** A	**4.** B	**5.** D
6. A	**7.** C	**8.** B	**9.** A	**10.** B
11. B	**12.** A	**13.** A	**14.** D	**15.** B
16. B	**17.** B	**18.** A	**19.** A	**20.** B
21. B	**22.** A	**23.** A	**24.** D	**25.** B
26. C	**27.** A	**28.** C	**29.** B	**30.** A
31. A	**32.** A	**33.** A	**34.** A	**35.** A
36. A	**37.** A	**38.** A	**39.** A	**40.** A