CH-14 [SYMMETRY]

1. Tick the correct option.
   A scalene triangle has:
   (a) 1 line of symmetry
   (b) No lines of symmetry
   (c) 2 lines of symmetry

2. Write true/false.
   The axis of symmetry is a straight line that divides the object into two equal halves.

3. Which of the following show rotational symmetry?

   a.   b.

4. Give an example of a letter of the English alphabet which has
   (i) No line of symmetry   **[ans: Z]**
   (ii) Rotational symmetry of order 2.   **[ans: N]**

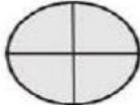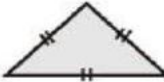5. What is the other name for a line of symmetry of a circle?   [ans: diameter]

6. What is the mirror image of **B** in a horizontal mirror?

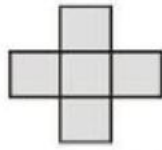   (A) **B**   (B) **ᗺ**   (C) **ᙏ**   (D) **ᙏ**

7. Which of the following figures has only two lines of symmetry?

   (A)   (B)

   (C)   (D)

8. Which of the following figures has rotational symmetry of order more than 1?

   (A)   (B)

   (C)   (D) All of these

9. What is the order of rotational symmetry for the given figure?
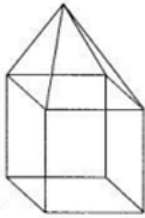

(A) 4   (B) 3
(C) 2   (D) 1

[ans :6-a ,7-c,8-d, 9-a]

CH-15 [VIUALISING SOLID SHAPES]

1. The number of edges of the solid shape is

(a) 16 (b) 9 (c) 6 (d) 4   [ans:16]

2. By folding the adjoining net, we get

(a) cube
(b) Cylinder
(c) A pyramid
(d) A cone   [ans:cube]

3. What is the number on the face opposite to 5 on a die?
(a) 1 (b) 2 (c) 3 (d) 4   [ans:2]

4. Which of the following is the number of vertices of sphere?
(a) 0
(b) 1
(c) 2
(d) 4   [ans: 0]

5. There are ……….. edges in a cube.
(a) 8
(b) 12
(c) 4
(d) None of these   [ans: 12]

6. Cuboid is an example of
(a) Both

(b) 2-D shape

(c) 3-D shape

(d) None of these   [ans: c]

7. Jyotika has 10 one rupee coins of similar kind. She puts them exactly one on the other. What shape will she get finally?

(a) Circle

(b) Cylinder

(c) Cube

(d) Cone   [ans:cylinder]

8. The flat surface of a solid figure is called its

(a) Vertices

(b) Face

(c) Edge

(d) None of these   [ans: b]

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