

(c) 6 cm

(d) None of these

15. Visualising Solid Shapes

Question 1. The number of faces of a rectangular prism is (a) 4 (b) 6 (c) 3 (d) None of these Answer: (b) 6
Question 2. Opposite faces of at die always have a total of dots on them : (a) 6 (b) 5 (c) 7 (d) None of these
Answer: (c) 7 Observe a die and see.
Question 4. The number of edges of a square pyramid is (a) 4 (b) 6 (c) 8 (d) None of these
Answer: (c) 8
Question 5. The number of faces of a triangular pyramid or tetrahedron is (a) 4 (b) 6 (c) 5 (d) 1024
Answer: (a) 4
Question 6. Three cubes each with 2 cm edge are placed side by side to form a cuboid. Its length will be : (a) 4 cm (b) 2 cm

Answer: (c) 6 cm Each cube has one side 2 cm, therefore sum of three sides is 6 cm.
Question 7. The number of triangular faces of a triangular prism is (a) 2 (b) 1 (c) 4 (d) None of these Answer: (a) 2
Question 8. Which of the following is the number of vertices of sphere? (a) 0 (b) 1 (c) 2 (d) 4
Answer: (a) 0
Question 9. There are edges in a cube. (a) 8 (b) 12 (c) 4 (d) None of these Answer: (b) 12 There are 12 line segments that form the skeleton of the cube.
Question 10. A die is cut horizontally. What is the cross-section obtained? (a) A triangle (b) A rectangle (c) A square (d) A cube Answer: (c) A square
Question 11. The number of faces of a cube is (a) 4 (b) 6 (c) 8 (d) None of these
Answer: (b) 6

Question 12. If two cubes of dimensions 2 cm by 2 cm are placed side by side, what would the dimensions of resulting cuboid be ? (a) 4, 2, 2 (b) 2, 4, 2 (c) 2, 2, 4 (d) Noun of these
Answer: (a) 4, 2, 2 When two cubes are kept side by side the length is the only measurement which increases, it becomes $2 + 2 = 4$ cm. The breadth = 2, cm and the height = 2 cm.
Question 13. The number of faces of a triangular prism is (a) 5 (b) 6 (c) 4 (d) None of these
Answer: (c) 4
Question 14. There are faces in a cube. (a) 8 (b) 4 (c) 6 (d) None of these Answer: (c) 6
The six flat square surfaces that are the skin of the cube.
Question 15. Cuboid is an example of (a) Both (b) 2-D shape (c) 3-D shape (d) None of these Answer: (c) 3-D shape
Aliswei. (c) 3-D sliape
Question 16. The vertical cut of brick will show the cross-section is (a) circle (b) pentagon (c) rectangle (d) hexagon
Answer: (c) rectangle

Question 17. There are vertices in a cube. (a) 8
(b) 6 (c) 4
(d) None of these
Answer: (a) 8 There are 8 vertices of the cube.
Overallian 10
Question 18. The number of edges of a rectangular pyramid is
(a) 21
(b) 8
(c) 7
(d) None of these
Answer: (b) 8
Question 19.
The number of edges of a triangular pyramid is
(a) 8
(b) 5
(c) 6
(d) None of these
Answer: (c) 6
Question 20. Three dimensional shapes have :
(a) length, breadth, height
(b) length, breadth
(c) breadth height
(d) None of these
Answer: (a) length, breadth, height
Which occupy space and have three demensions.
Question 21.
A cuboid has rectangular faces.
(a) 8
(b) 2
(c) 6 (d) 4
(d) 4
Answer: (c) 6
Question 22.

Identify the correct statement from the following.
(a) A triangle has 3 sides and 4 vertices.

- (b) A cylinder has 3 faces.

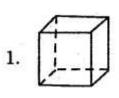
(c) All sides of the rectangle are equal.(d) A cuboid has 4 flat faces and 12 straight edges.				
Answer: (b) A cylinder has 3 faces.				
Question 23. The number of faces of a squar (a) 4 (b) 7 (c) 5 (d) None of these Answer: (c) 5	e pyramid is			
Question 24. Rakesh has 10 one rupee coins shape will he get finally? (a) Circle (b) Cylinder (c) Cube (d) Cone Answer: (b) Cylinder	of similar kind. He puts them exactly one on the other. What			
Question 25. The number of faces of a cylind (a) 2 (b) 1 (c) 3 (d) None of these	er is			
Answer: (a) 2				
Match the 2-dimensional figure	s with the names :			
1.	(a) Circle			
2.	(b) Rectangle			
3.	(c) Square			
	(d) Quadrilateral			

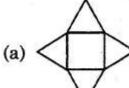


Answer:

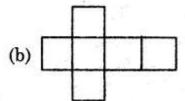
1.	(b) Rectangle
2.	(a) Circle
3.	(e) Triangle
4.	(c) Square
5	(d) Quadrilateral

Match the note with appropriate solids.

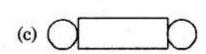


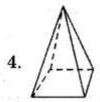


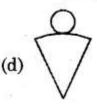












Answer:

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

Here are the shadows of some 3-D objects when seen under the lamp of an overhead projector. Identify the solid that match each shadow.

1. A circle	(a) a cube
2. A square	(b) a ball

3. A triangle	(c) a cylindrical pipe		
4. A rectangle	(c) a cone		
Answer:			
1. A circle	(b) a ball		
2. A square	(a) a cube		
3. A triangle	(d) a cone		
4. A rectangle	(c) a cylindrical pipe		
Question 1. The cube can cast a shadow in the shape of a rectangle. Answer: True			
Question 2. The cube can cast a shadow in Answer: False Fill in the blanks.	the shape of a hexagon.		
	dia a in 2 D which where folded wearths in a		
Answer: 3D	line in 2-D, which when folded, results in a		
2. The corners of a solid shapes are called its Answer: vertices			
3. Plane figures are of di	mensions and solid shapes are of dimensions.		
4. The line segment of a solid s	skelton are its		
Answer: edges			

6. The circle, the square the rectangle, the quadrilateral and the triangle are examples of figures.

5. The flat surfaces of solid are its

Answer: faces

7. Two types of sketches of a solid are possible. (i) (ii)
Answer: An delique, an isometric
8. The cube, the cuboid, the sphere, the cylinder, the cone and the pyramid are examples of

Answer: solid

.....shapes.

Answer: plane