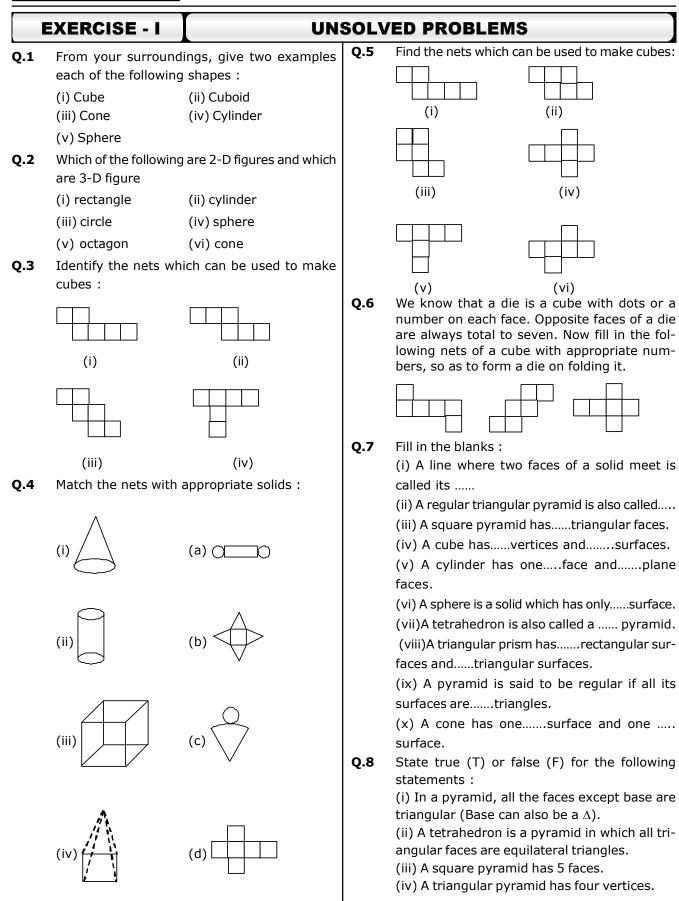
## **VISUALISING 3-D SHAPES**



## VISUALISING 3-D SHAPES

Q.9	Two dice are placed side by side as shown :	ANSWER KEY							
		1.	(i) Sugar lump, dice (ii) Match box, brick (iii) Ice cream cone, Joke cap						
	What total would be on the face opposite to	2.	(iv) Tin, Pipes (v) Ball, marble						
	(i) 5 + 2 (ii) 6 + 3		(i), (iii) & (v) are 2D ;						
Q.10	Using a square graph paper, draw the cubes whose edges are :		(ii), (iv), (vi) are 3D						
	(i) 4 cm (ii) 3.5 cm	4.	(i) $\rightarrow$ c, (ii) $\rightarrow$ a, (iii) $\rightarrow$ d, (iv) $\rightarrow$ b						
	(ii) 3 cm	5.	(iv)						
Q.11	Using a square graph paper, draw the cuboid		(i) Edge (ii) Tetrahedron						
	whose dimensions are :		( iii) 4 (iv) 8, 6						
	(i) 3 cm × 4 cm × 3 cm		(v) Curved, two (vi) Curved						
0 1 2	(ii) 4 cm × 3 cm × 2 cm		(vii) Regular triangular						
Q.12	Using an isometric graph paper, draw the cubes whose edges are :		(viii) 3, 2 (ix) Equilateral						
	(i) 5 cm (ii) 4 cm		(x) Plane, curved						
Q.13	Using an isometric dot paper, draw the cuboid	8.	(i) F (ii) T (iii) T (iv) T						
	whose dimensions are :	9.	(i) 2 + 5 (ii) 1 + 4						
	(i) 3 cm × 3 cm × 2 cm		(i) 8						
	(ii) 7 cm × 4 cm × 6 cm	14.	(ii) Square						
Q.14	Fill in the blanks		(iii) Cone						
	(i) A cube hasvertices.								
	<ul><li>(ii) Great pyramid in Giza (Egypt) is an example ofpyramid.</li><li>(iii) A birthday cap is an example of</li></ul>		(iv) Sphere						
			(v) Cuboid						
	(iv) A cricket ball is an example of		(vi) Cube or Cuboid						
	(v) A Almirah is an example of		(vii) Net						
	(vi) A dice is an example of		(viii) Cuboid						
	(vii) A is a sort of Skelton-outline in 2-D,		(ix) Cube						
	which, when folded, results in a 3-D shape. (viii) If three cubes of dimensions 3 cm × 3 cm		(x) 2						
			(xi) no						
	$\times$ 3 cm are joined, then the resultant solid is		(xii) 1						
	a		(xiii) Tetrahedron						
	(ix) A square prism is also called		(xiv) Cuboid						
	(x) A triangular pyramid has triangular faces.		(xv) Space						
	(xi) A sphere has vertex.								
	(xii) A cone has curved edge.								
	(xiii) A triangular prism is also called								
	(xiv) A solid bounded by six rectangular faces is called								
	(xv) A solid occupies a fixed amount of								

VISUALISING 3-D SHAPES

E	xercise - II	OL	YMPI		PROE	BLEN	IS				
Q.1	Circle is a: (A) plane figure	(B) solid figure	Q.10	The i is a:	net for a	a cylind	ler with	out top	and bo	tton	
	(C) both	(D) none of these		(A) r	ectangl	e	(B) c	ircle			
Q.2	The other name of a			(C) t	riangle		(D) n	one of	these		
<b>.</b>	(A) triangular pyramid		Q.11	The l	The lines of symmetry in a square are:						
	(B) triangular prism		(A) 2	<u>)</u>		(B) 1	(B) 1				
	(C) square pyramid	C) square pyramid			(C) 4 (D) 3						
	(D) none of these				The lines of symmetry in a rectangle are:						
Q.3	A petagonal pyramid has:			(A) 2	2		(B) 1				
	(A) 3 vertices	(B) 4 vertices		(C) 4	ŀ		(D) 3				
	(C) 6 vertices	(D) none of these	Q.13	The lines of symmetry in an isosceles trial are:							
Q.4	A square prism has:			(A) 1	_		(B) 2				
	(A) 5 edges	(B) 8 edges		(C) 3	}		(D) 4				
	(C) 12 edges	(D) 15 edges	Q.14	An equilateral triangle has rotational symmetry							
Q.5	A cone has:			of order:							
	(A) 1 face	(B) 2 faces		(A) 2			(B) 1				
	(C) 3 faces	(D) 5 faces		(C) 4 (D) 3							
Q.6	A rectangular pyram		Q.15	A square has rotational symmetry of order:							
	(A) 2 faces	(B) 4 faces		(A) 2			(B) 3				
	(C) 5 faces	(D) 6 faces		(C) 4	ŀ		(D) 1				
Q.7	The name of the figure which has 6 vertices, 9 edges and 5 faces is:										
	(A) cuboid	(B) cube									
	(C) cone	(D) triangular prism									
Q.8	Name the solid figure which has no vertex and no edge:										
	(A) cylinder	(B) cone			ANSWER KEY						
	(C) sphere	(D) tetrahedron	1.	A	2.	A	3.	С	4.	С	
Q.9	The net of a solid consists of three rectangles and two triangles. This may be the net of a:		5.	В	6.	C	7.	D	8.	C	
	(A) cuboid	(B) pyramid	9.	С	10.	А	11.	С	12.	А	
	(C) triangular prism	(D) none of these	13.	А	14.	D	15.	С			