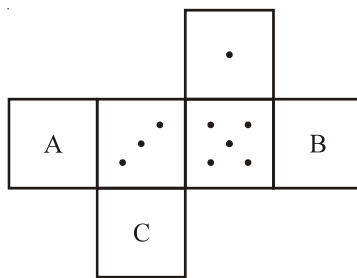


Chapter—15

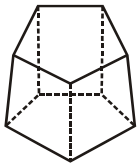
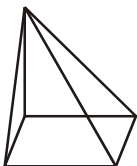
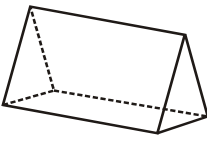
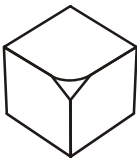
Visualising Solid Shapes

1. Net of dice is given below, answer the following questions:

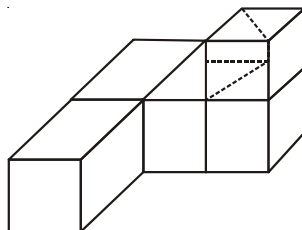


- (i) Find the number of dots on the face C of the dice?
 - (ii) Find the number of dots on the face B of the dice?
 - (iii) Find the sum of dots on faces A and B in the given figure.
 - (iv) What is the sum of dots on opposite faces of a die?
2. How many rectangles are in the net of rectangular pyramid?
3. State whether the given statements are 'True' or 'False'.
- (i) In oblique sketch of the solid the measurements are kept proportional.
 - (ii) The measurements are of exact size in an isometric sketch.
 - (iii) While sphere is a 2-D figure, circle is a 3-D figure.
 - (iv) The circle, the square, the rectangle and the triangle are example of plane figures.
4. Fill up the blanks :
- (i) The solid with one circular face, one curved surface and one vertex is called
 - (ii) Total no. of edges a cylinder are
 - (iii) A solid with no vertex is
 - (iv) The common portion of two adjacent faces of a cuboid is called

5. Complete the following table :

Figure	No. of Faces	No. of Edges	No. of Vertices
(i) 
(ii) 
(iii) 
(iv) 

6. Draw the top, the front and the side views of the given solid made up of cubes.



7. Draw an isometric view of a cuboid 5 cm × 3 cm × 2 cm.

8. Form the above figure answer the following questions:

- (i) Which edge is the intersection of faces EFGH and EFBA?
- (ii) Which faces intersect at edge FB?
- (iii) Give all the edges that are perpendicular to edge AB.
- (iv) Give four vertices that do not all lie in one plane.
- (iv) If we subtract.....from 53214 then the number so obtained is divisible by 8.

