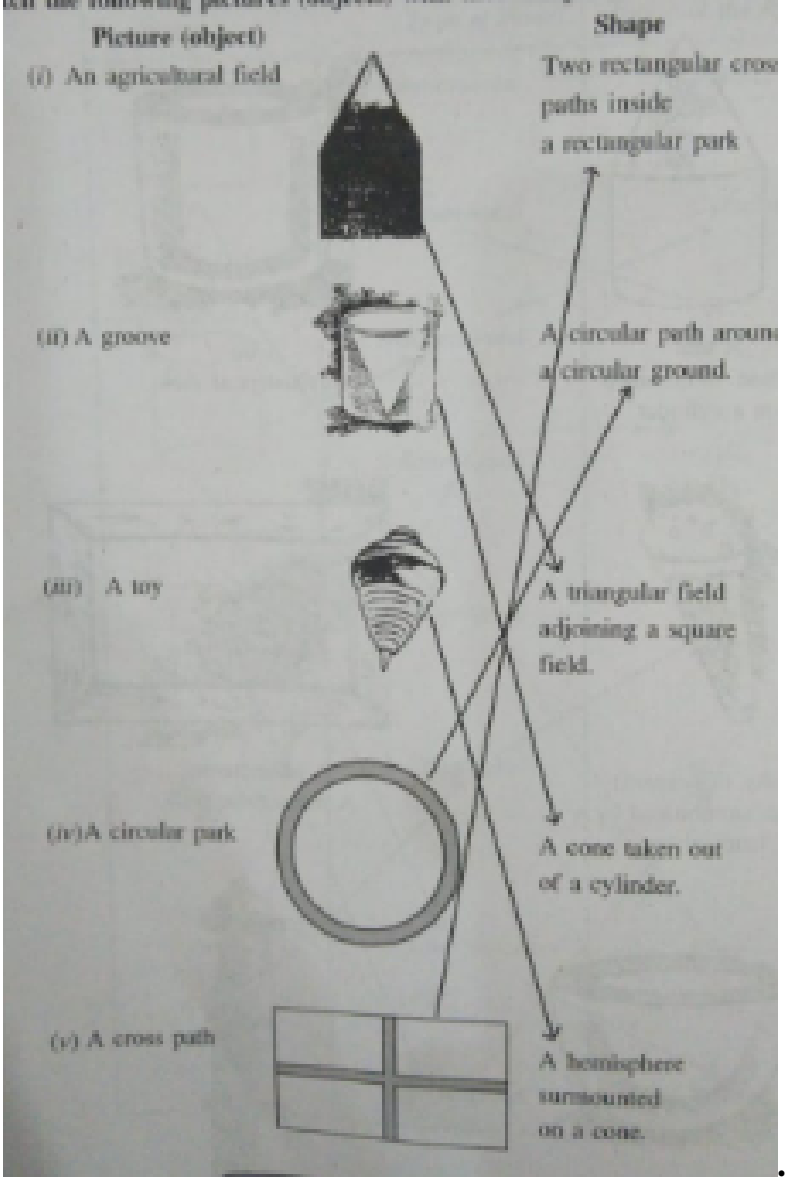
MATHS

BOOKS - MBD

VISUALISING SOLID SHAPES

Example

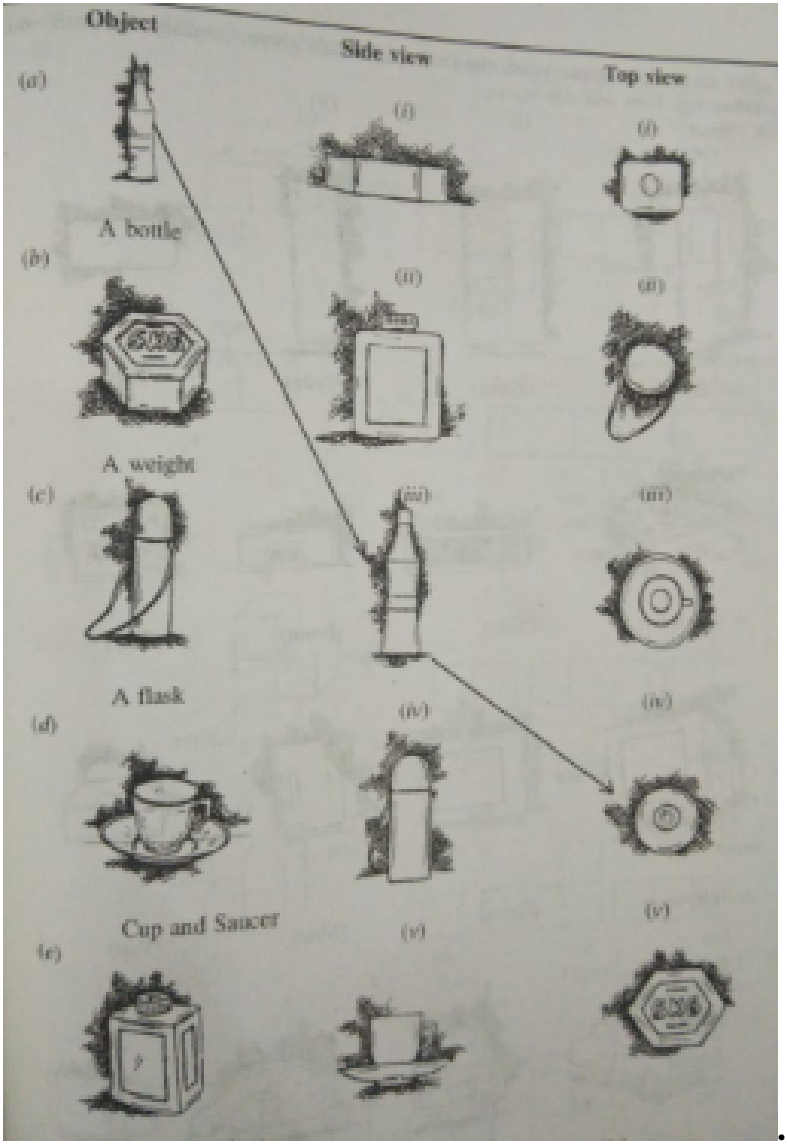
1. Match the following pictures(objects) with their shapes:



Watch Video Solution

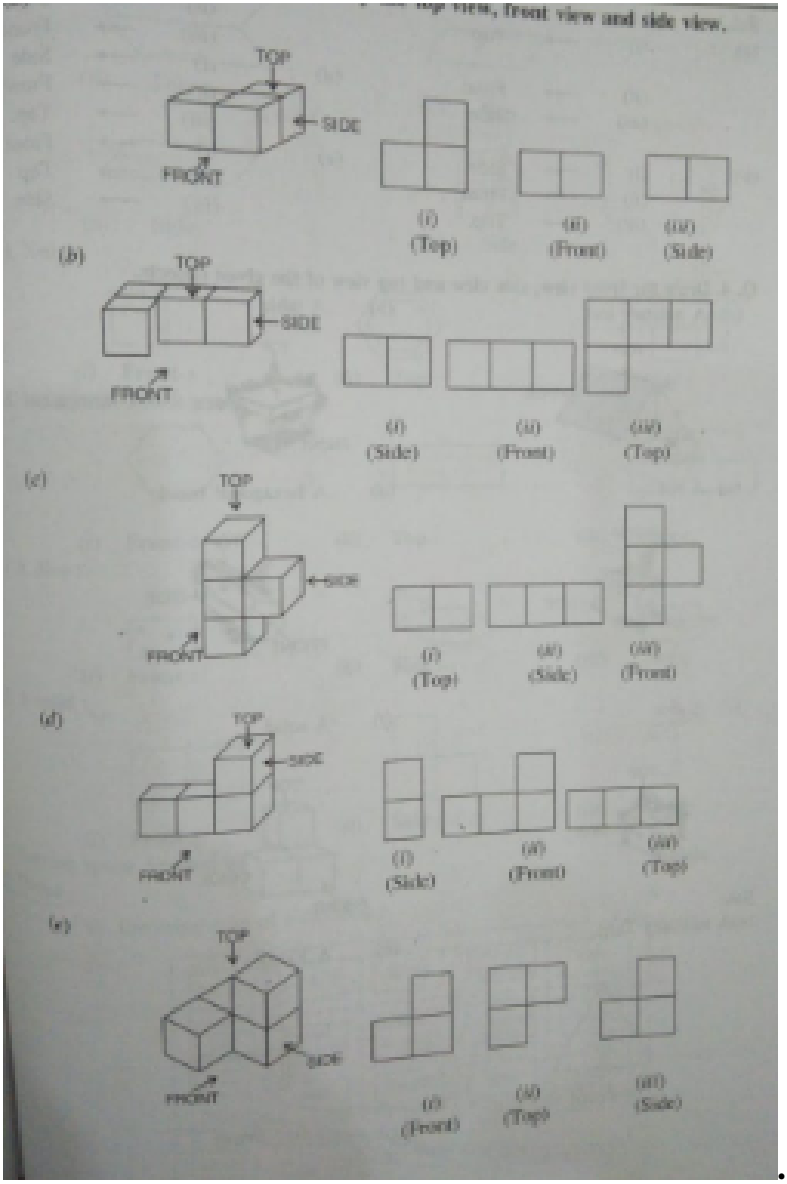
2. For each of the given solid,the two views are given.Match for each solid the corresponding top and front views.The first one isdone for

you.



Watch Video Solution

3. For each of the given solid, identify the to view ,front view and side view.

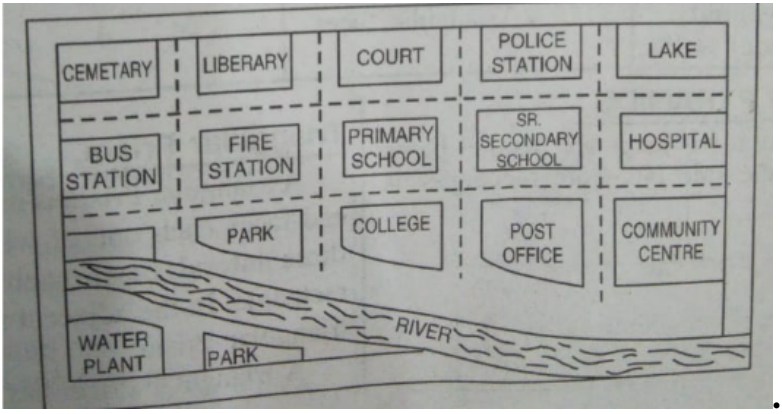


.

Watch Video Solution

4. Look at the following map of a city(Fig.)

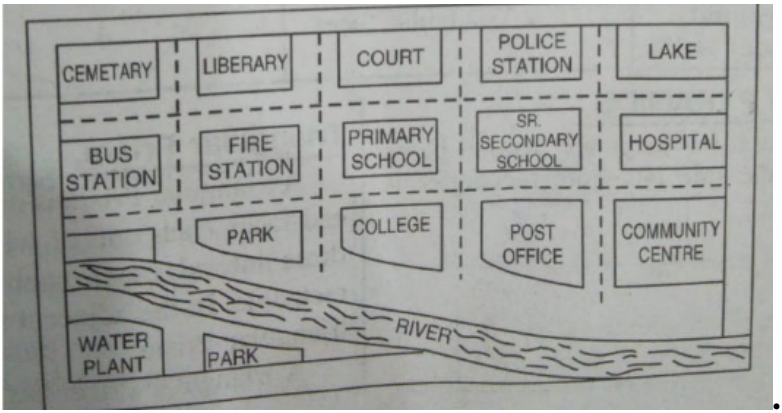
Colour the map as follows:Blue-water,Red-fire station,Orange-Library,Yellow-schools,Green-Parks,Pinko-Community Centre,Purple-Hospital.



Watch Video Solution

5. Look at the following map of a city(Fig.)

In magenta colour,draw a short street route from the college to the lake.



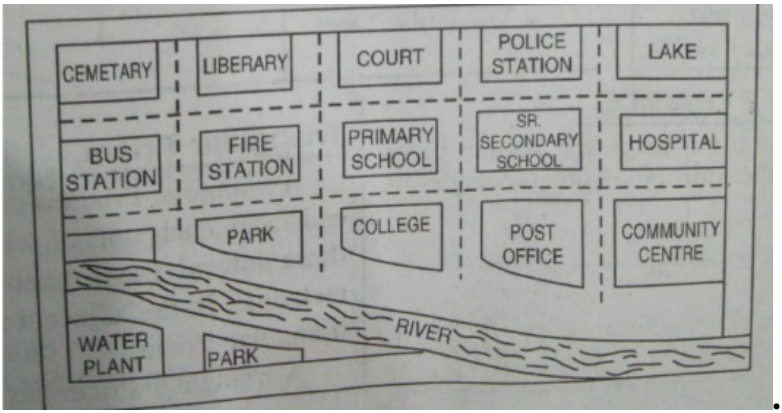
Watch Video Solution

6. Look at the following map of a city(Fig.)

Colour the map as follows:Blue-water,Red-fire

station,Orange-Library,Yellow-schools,Green-

Parks,Pinko-Community Centre,Purple-Hospital.

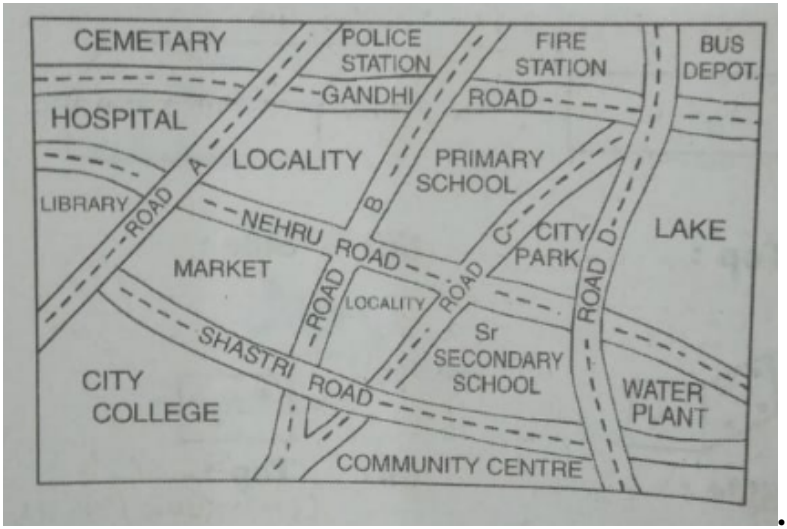


Watch Video Solution

7. Look at the given map of a city.Answer the following:

Which is further east ,the city park or the

market?

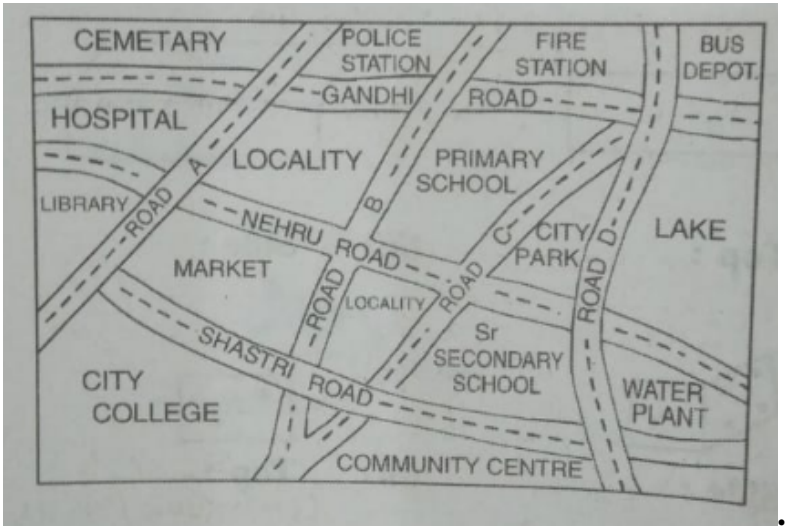


Watch Video Solution

8. Look at the given map of a city.Answer the following:

Which is further South,the primary school or

the Sr.Secondary School?



Watch Video Solution

9. Draw a map of your school compound using proper scale and symbols for varius features like play ground main building,garden etc.

Watch Video Solution

10. Draw a map giving instructions to your friend so that she reaches your house wiothout any difficulty.

Watch Video Solution

11. Draw a map of your class room using proper scale and symbol for different objects.

Watch Video Solution

12. Can a polyhedron have for its faces: 3 triangles?

Watch Video Solution

13. Can a polyhedron have for its faces: 4 triangles?

Watch Video Solution

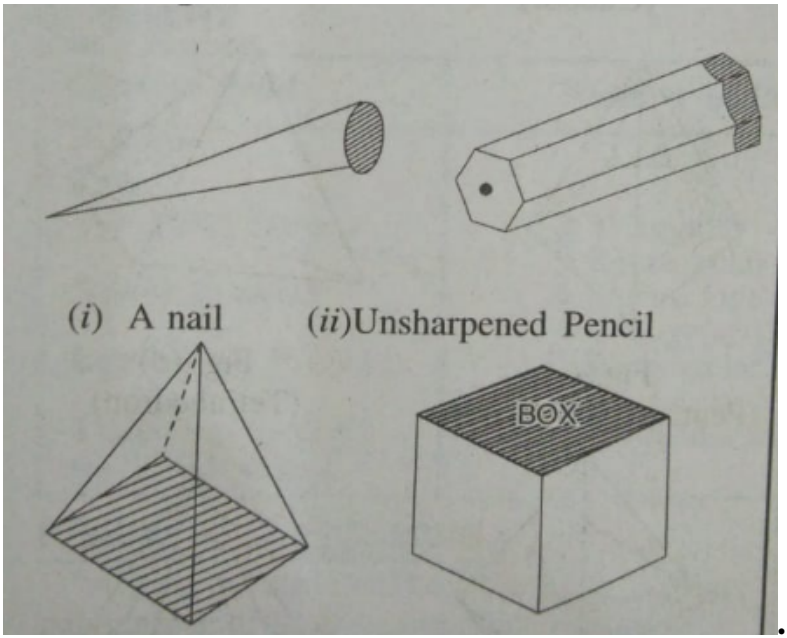
14. Can a polyhedron have for its faces: a square and four triangles?

Watch Video Solution

15. Is it possible to have a polyhedron with any given number of faces? (Hint: Think of a pyramid).

Watch Video Solution

16. Which are Prism's among the following :



Watch Video Solution

17. How are prisms and cylinders alike?

Watch Video Solution

18. How are pyramids and cones alike?

Watch Video Solution

19. Is a square prism same as a cube? Explain.

Watch Video Solution

20. verify Euler's formula for these solids:

Watch Video Solution

21. Using Euler's formula,find the unknown:

Faces	?	5	20
Vertices	6	?	12
Edges	12	9	?

.

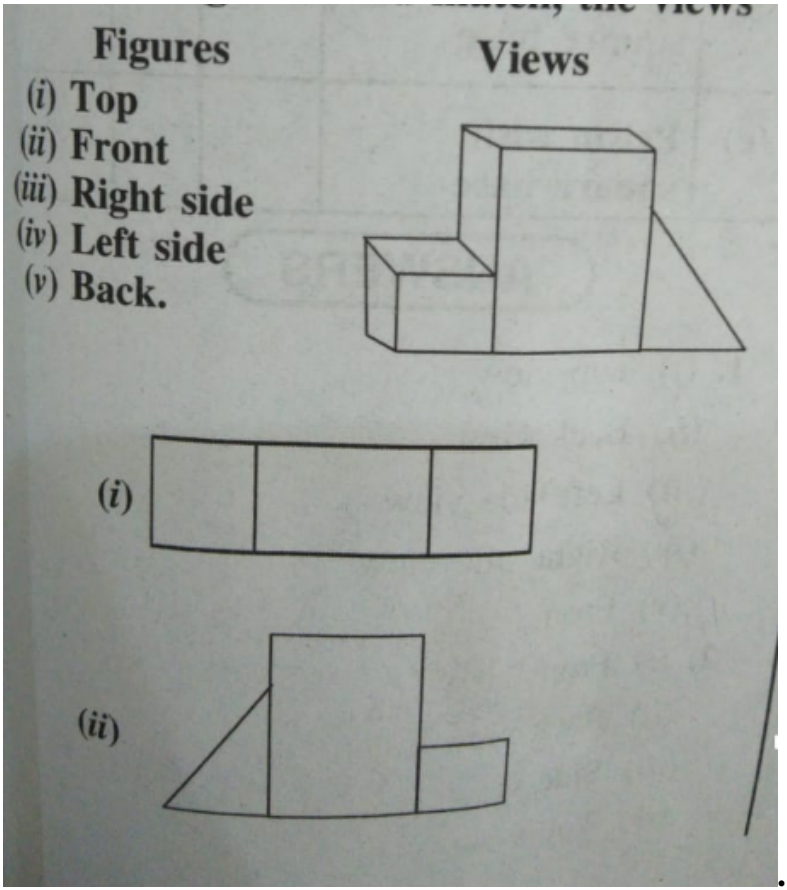
Watch Video Solution

22. Can a polyhedron have 10 faces, 20 edges and 15 vertices?

Watch Video Solution

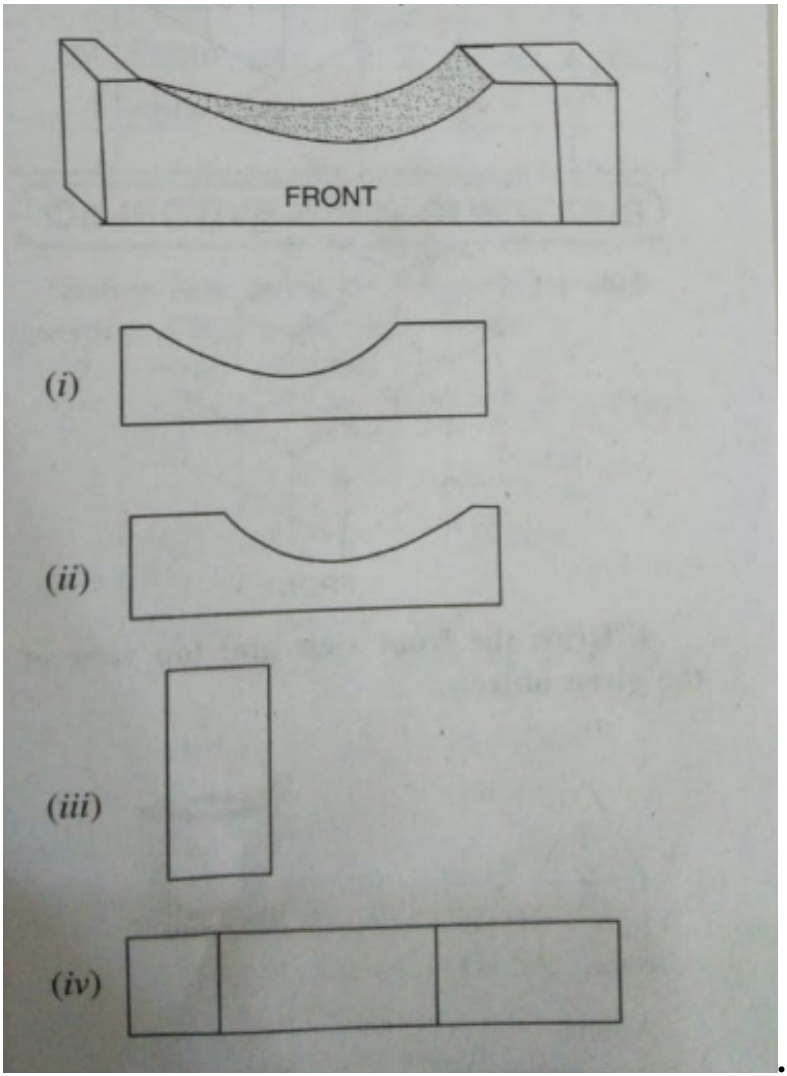
Exercise

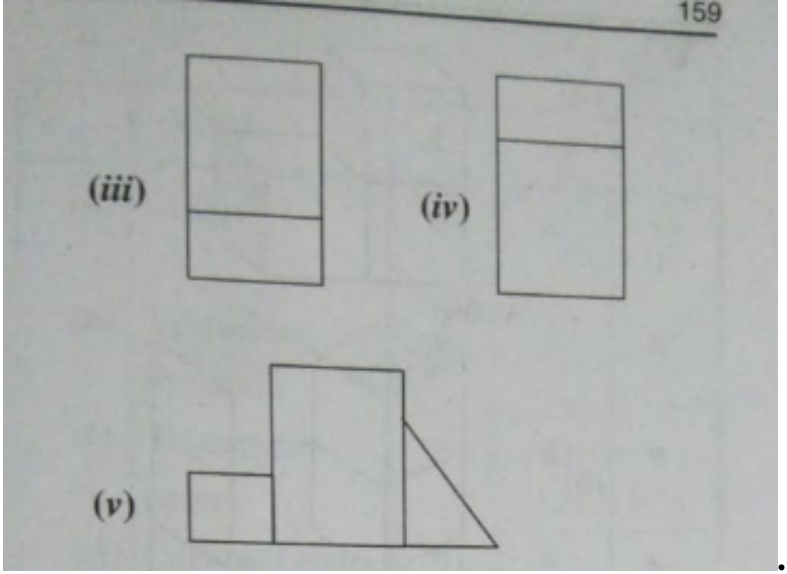
1. For a given solid match,the views



Watch Video Solution

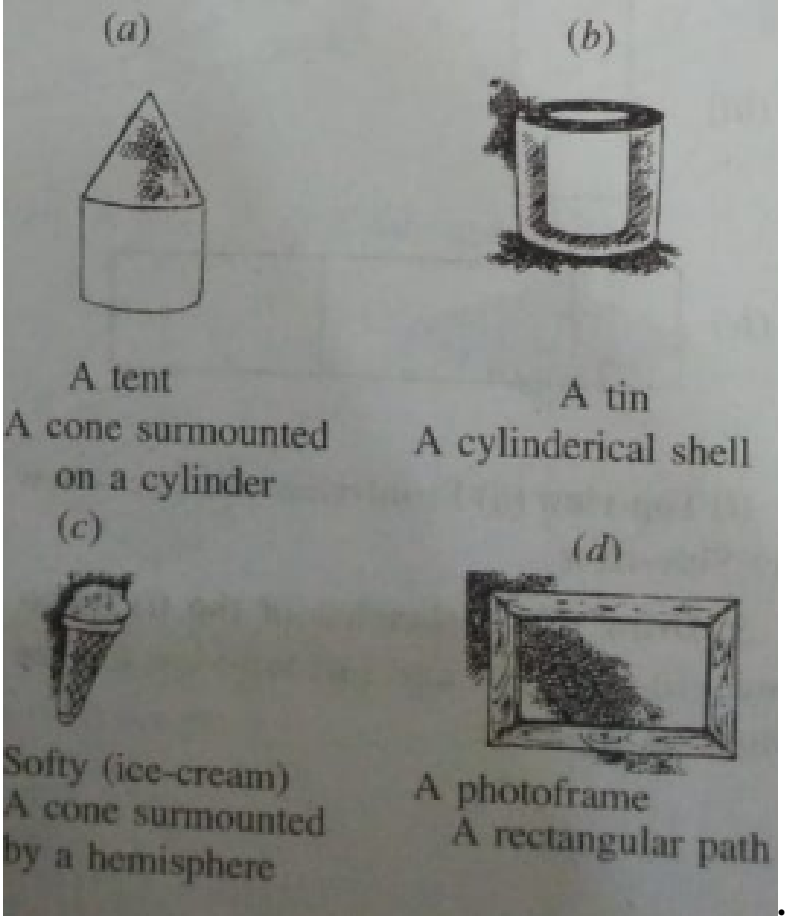
2. For the given solids,match the views:





Watch Video Solution

3. Draw the front view nad top view of the given objects.



Watch Video Solution

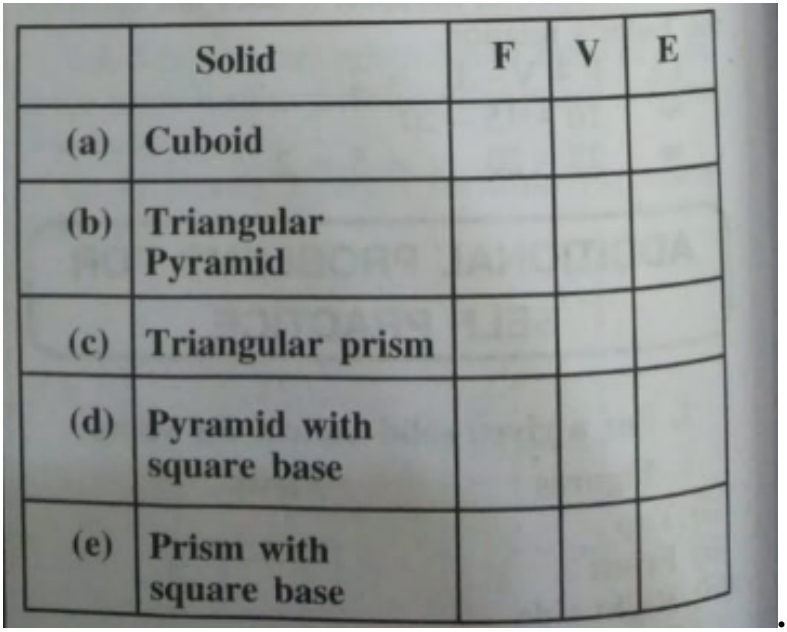
4. Draw a map of your drawing room useing proper scale and symbols for different objets.

Watch Video Solution

5. Draw a map of your class room using proper scale and symbol for different objects.

Watch Video Solution

6. Tabulate the number of faces,edges and verices for the following polynomials.



	Solid	F	V	E
(a)	Cuboid			
(b)	Triangular Pyramid			
(c)	Triangular prism			
(d)	Pyramid with square base			
(e)	Prism with square base			

Watch Video Solution

7. Plane shapes have ..... measurements.Blank spce is filled by

A. Two

B. Three

C. Four

D. Five.

Answer:

Watch Video Solution

8. Solid shapes have ....measurements.Blank space is filled by:

A. Two

B. Three

C. Four

D. Five.

Answer:

Watch Video Solution

9. Plane shapes are called:

A. 2-D Shapes

B. 3-D |Sahpes

C. 4-D Shapes

D. 5-D Shapes.

Answer:

Watch Video Solution

10. Which of the following shapes is 2-D shape?

A. Rectangle

B. Cone

C. Cube

D. Cylinder

Answer:

Watch Video Solution

11. Which of the following shapes is 3-D Shape?

A. Rectangle

B. Square

C. Sphere

D. Triangle.

Answer:

Watch Video Solution

12. Which of the following is the Euler's Formula?

A. F+V=E+2

B. F-V=E+2

C. F+V=E-2

D. F-V=E-2.

Answer:

Watch Video Solution

13. The number of faces of a cuboid are:

A. 3

B. 4

C. 6

D. 5

Answer:

Watch Video Solution

14. The number vertices of a triangular pyramid are:

A. 1

B. 2

C. 3

D. 4

Answer:

Watch Video Solution

15. The number of faces of a pentagonal pyramid are:

A. 2

B. 4

C. 6

D. 5

Answer:

Watch Video Solution

16. The number of verices of a octahedron are :

A. 3

B. 4

C. 5

D. 6

Answer:

Watch Video Solution