

Worksheet

Shapes And Designs

Q.1. What types of surfaces do the following objects have?

(i) Brinjal (long)

(ii) Elephant

(iii) Table

Ans. (i) Cylindrical

(ii) Curved

(iii) Plane

Q.2. Name the types of surfaces that you know.

Ans. Plane surface, curved surface, cylindrical.

Q.3. Name five solid shapes.

Ans. Cube, Cuboid, Cylinder, Cone and Sphere.

Q.4. Write down the number of faces, edges and vertices of the following:

(i) Cuboid

(ii) Cylinder

(iii) Sphere

Ans. (i) Cuboid has 6 faces, 12 edges and 8 vertices.

(ii) Cylinder has 3 faces, 2 edges and no vertices.

(iii) Sphere has 1 face (curved), no edges and no vertex.

Q.5. Write the number of sides and corners of the following:

(i) Square

(ii) Triangle

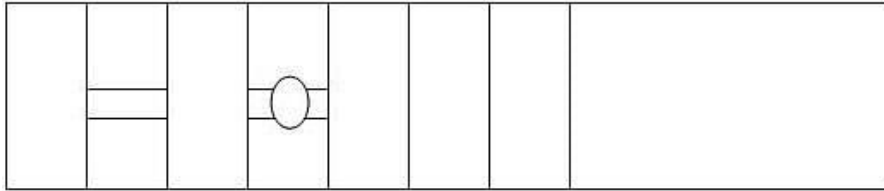
(iii) Circle

Ans. (i) A square has four sides and four corners

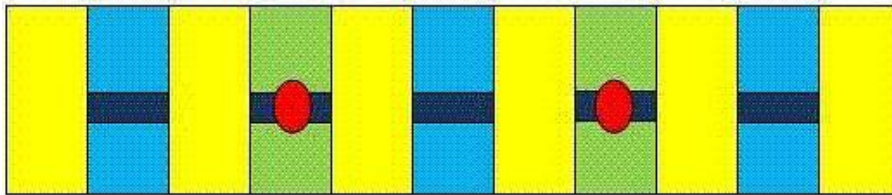
(ii) A triangle has three sides and three corners

(iii) A circle has one side (circumference) and no corners

Q.6. Follow the pattern and form a design then color it on your own choice to look the design colorful.



Ans.



Q.7. Write 'true' or 'false' for each statement:

(i) A square has 4 sides and 4 vertices.

(ii) All the edges of a cuboid are equal.

(iii) All the edges of a cube are not equal.

(iv) A circle has a centre and a circumference.

(v) Only one line can pass through a point.

(vi) The diameter of a circle is double the length of its radius.

Ans. (i) True

(ii) False

(iii) False

(iv) True

(v) False

(vi) True