

---

Assignment 15

---

**VERTICES**

A vertex in a shape is a point where two straight lines meet. The plural of vertex is 'vertices'.

**SOLIDS OR 3D SHAPES**

Objects that occupy space are called solid shapes.

Ex- Cone, Cuboid, Sphere, Cylinder, Cube

**Properties of solid shapes.**

- Solid shapes are shapes that are not flat.
- Plane shapes form part of solid shapes.
- Their surfaces are called faces. Faces meet at edges and edges meet at vertices.

**1. Fill in the blanks.**

- A square and a rectangle both have \_\_\_\_\_ sides and \_\_\_\_\_ corners.
- A circle and sphere have \_\_\_\_\_ corners and \_\_\_\_\_ sides.
- The surface of a solid is called its \_\_\_\_\_.
- A cube has \_\_\_\_\_ faces, \_\_\_\_\_ vertices and \_\_\_\_\_ edges.
- The objects with flat surface \_\_\_\_\_.

**2. Fill the correct answer.**

- A square has \_\_\_\_\_ vertices.  
a. 1      b. 2      c. 3      d. 4
- A book reminds us of a \_\_\_\_\_.  
a. Cube      b. cuboid      c. cone      d. none
- A cylinder has \_\_\_\_\_ vertices.  
a. 0      b. 1      c. 2      d. 4
- A cone has \_\_\_\_\_ vertices.  
a. 1      b. 0      c. 2      d. 3

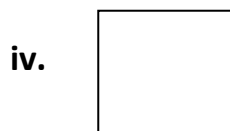
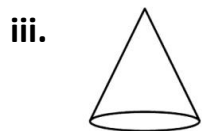
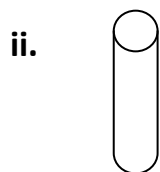
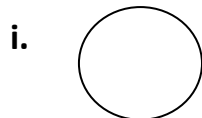
**3. Answer the following questions in one word.**

- i. What is the shape of the sun? \_\_\_\_\_
- ii. What is the shape of the sandwich? \_\_\_\_\_
- iii. What is the shape of a dice? \_\_\_\_\_
- iv. What is the shape of a bus? \_\_\_\_\_
- v. What is the shape of an icecream? \_\_\_\_\_

**4. Give the example of the following.**

- i. Cube
- ii. Cone
- iii. Cylinder
- iv. Cuboid

**5. Matching**



**6. Draw two solid shapes and write their name.**

➤ **Note- Write in your Maths notebook.**

## ANSWER KEYS

1.

- |      |            |            |          |
|------|------------|------------|----------|
| i.   | 4 sides    | 4 corners  |          |
| ii.  | No corners | no sides   |          |
| iii. | Face       |            |          |
| iv.  | 6 faces    | 8 vertices | 12 edges |
| v.   | Slide      |            |          |

2.

- |      |        |
|------|--------|
| i.   | 4      |
| ii.  | Cuboid |
| iii. | 0      |
| iv.  | 1      |

3.

- |      |          |
|------|----------|
| i.   | Sphere   |
| ii.  | Triangle |
| iii. | Cube     |
| iv.  | cuboid   |
| v.   | cone     |

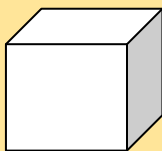
4.

- |      |             |
|------|-------------|
| i.   | Dice        |
| ii.  | Ice-cream   |
| iii. | Rolling pin |
| iv.  | Book        |

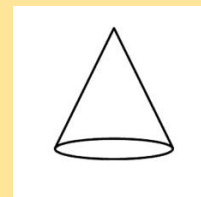
5.

- |      |   |
|------|---|
| i.   | b |
| ii.  | c |
| iii. | d |
| iv.  | a |

6.



**cube**



**cone**