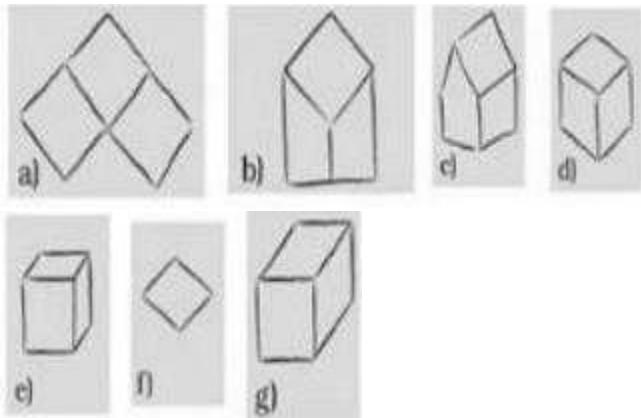# Worksheet

Boxes And Sketches

Q.1. Soumitro and his friends made deep drawings of a cube. These are their drawings.
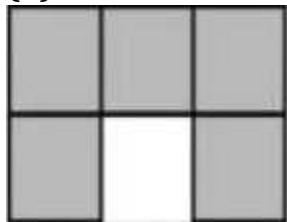

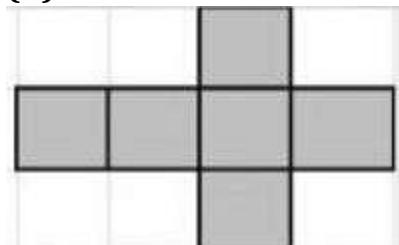**Which of these drawing look correct to you?**
Ans. The drawing numbered (d) and (e) looks correct.
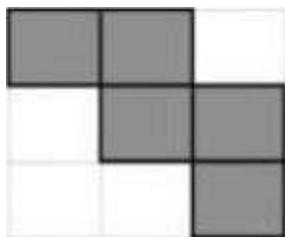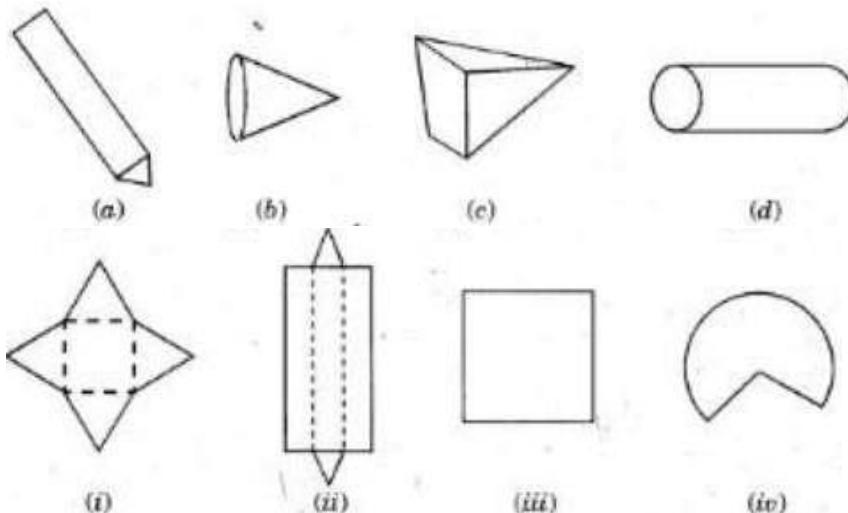
Q.2. Which of these nets will make a cube?
(a)

(b)

(c)

Ans. (b)

Q.3. In the below shapes which figure has 12 sides and 6 faces and all of its sides are equal.
(a) Cube
(b) Triangle
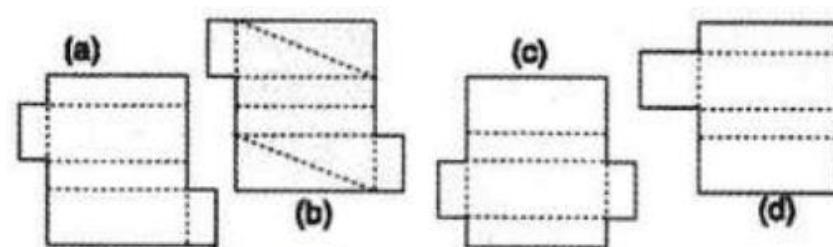**(c) Square**
(d) None
Ans. Cube

Q.4. All boxes are not cubes. Here are some different types of boxes. Match the shape below with a box into which it will fold.
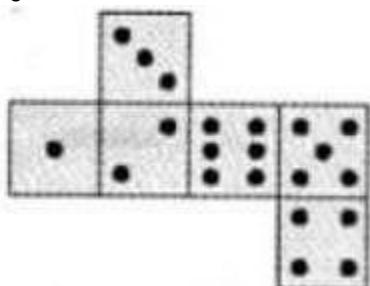

Ans. (a)-(ii), (b)-(iv), (c)-(i), (d)-(iii)

Q.5. Ramya made four shapes. Each is to be folded along the dotted lines. You have to find out which of these can be made into a box.
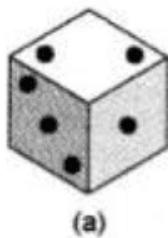
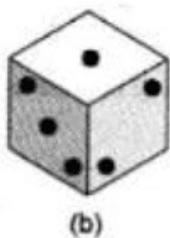**Ans.** Cutouts of (a) and (c) can be folded to make boxes.

Q.6. This cut-out is folded to make a cube.
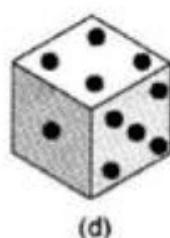

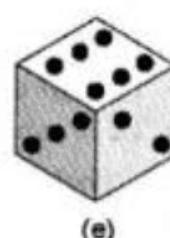**Which of these are the correct deep drawings of that cube?**

   (a)   (b)   (c)   (d)   (e)
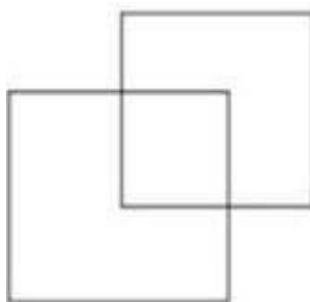
Ans. (a), (d) and (e) are the correct deep drawings.

Q.7. The cube has____edges.
Ans. 12

Q.8. Write the formula to find the volume of the cube.
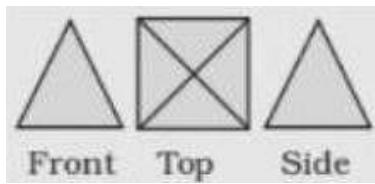**Ans.** Length x Breadth x Height

Q.9. Join the corners of the figure and write the name of the solid.

Ans. Cube

Q.10. The views below represent a three-dimensional figure that cannot be built from cubes Determine which three-dimensional figures match the views.
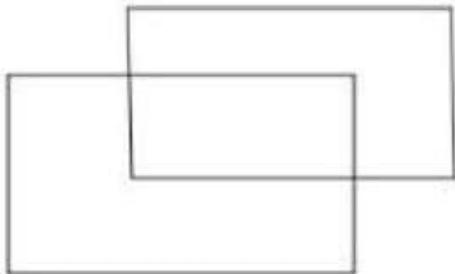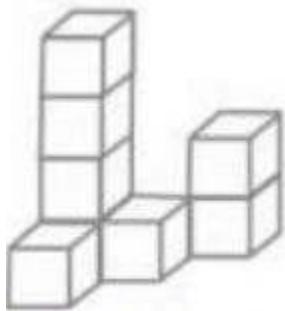
Front   Top   Side

A   B   C   D

Ans. D

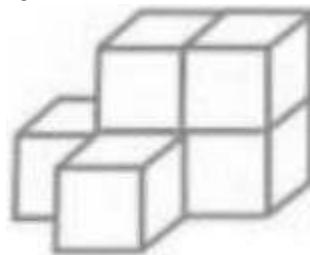**Q.11. Join the corners of the figure and write the name of the solid.**

Ans. Cuboid

Q.12. Count the number of cubes in the given shapes?
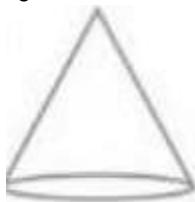

Ans. 8 cubes
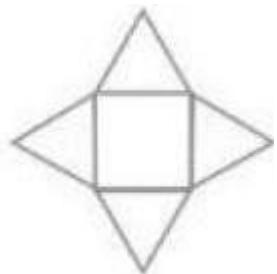
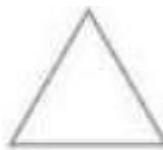**Q.13. Count the number of cubes in the given shapes?**

Ans. 6 cubes

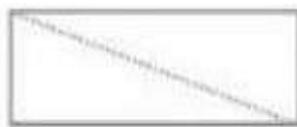**Q.14. Which of the nets given below will generate a cone?**
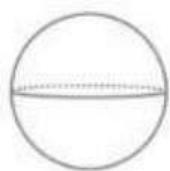
| (a) | (b) | (c) | (d) |

Ans. (a)

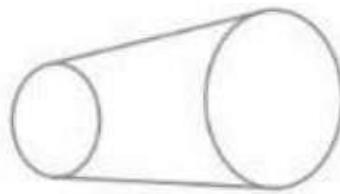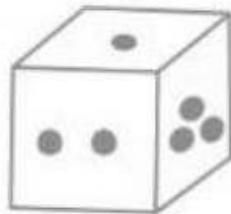**Q.15. Which of the following shapes has a vertex?**

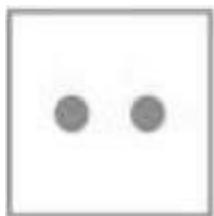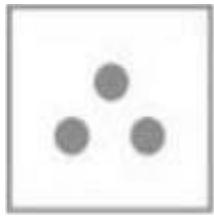| (a) | (b) |

| (c) | (d) |

Ans. (c)

Q.16. For each of the following solids, identify the front, side and top views?

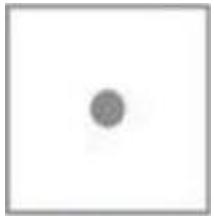**(i)**

(ii)

(iii)

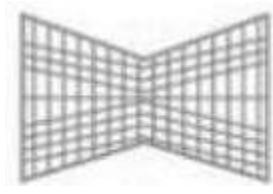
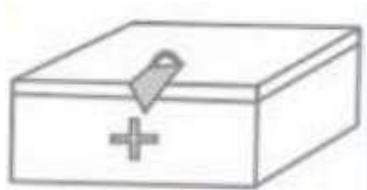**Ans.** (i) - Front view (ii) - Side view, (iii) - Top view

Q.17.

(i)

(ii)

(iii)

Ans. (i) - Side view, (ii) - Top view, (iii) - Front View
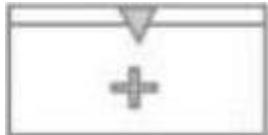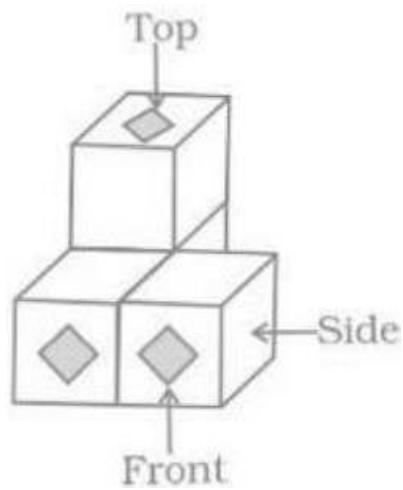
Q.18.

(i)
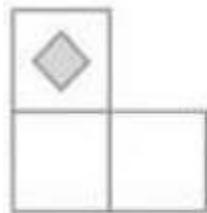

(ii)

(iii)

Ans. (i) - Side view, (ii) - Front view, (iii) - Top view

Q.19. Which of the following is the top view of the given shape?

(a)
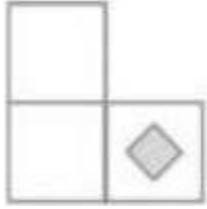

(b)
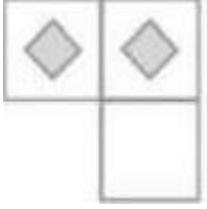
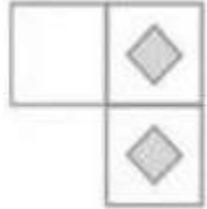

(c)

(d)

Ans. (a)

Q.20. How many vertices does a cube have?
Ans. 8