

## CHAPTER 15

# VISUALISING SOLID SHAPES

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The circle, the square, the rectangle, the quadrilateral and the triangle are examples of **plane figures**. The cube, the cuboid, the sphere, the cylinder, the cone and the pyramids are examples of **solid shapes**.

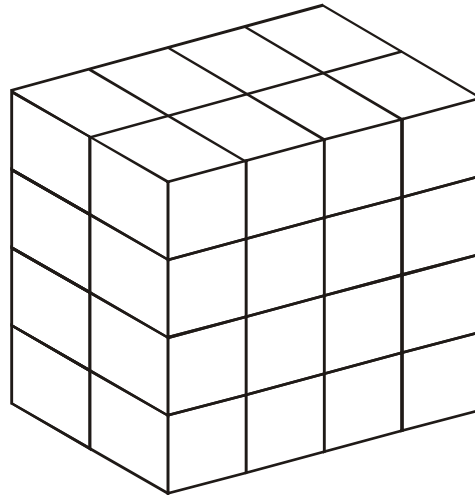
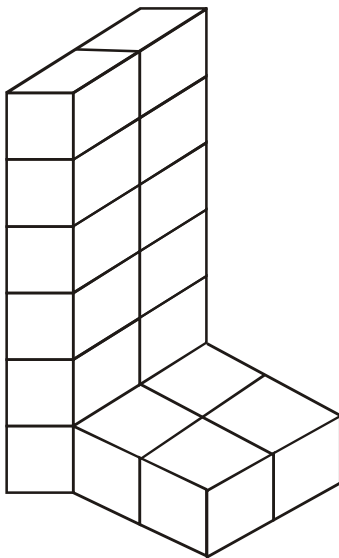
- A **net** is a skeleton outline of a solid that can be folded to make it.
- The sum of the number of dots on the opposite faces of a dice is always 7.

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### QUESTIONS

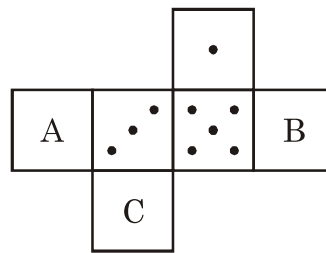
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1. Count the number of cubes in the given figures :



2. How many faces does a cube have? (6)
3. How many vertices does a cuboid have? (8)
4. How many faces does a cone have? (2)
5. How many edges does a triangular pyramid have? (6)

**Note :** Net of a dice is given below.



6. Find the number
  - (i) of dots on the face A of the dice?
  - (ii) What is the number of dots on the face B of the dice?
8. What is the sum of dots on faces B and C in the given figure?
9. What is the sum of dots in faces A and B in the given figure?
10. How many squares and triangles are in the net of triangular prism?
11. How many triangles are in the net of triangle pyramid?
12. How many edges does a sphere have?

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### ANSWERS

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|-----------|----------|
| 1. 16, 32 | 2. 6     |
| 3. 8      | 4. 2     |
| 5. 6      | 6. 2     |
| 7. 4      | 8. 10    |
| 9. 6      | 10. 1, 4 |
| 11. 4     | 12. 0.   |