

EXERCISE 19.2

1. Match the following nets with appropriate solids:

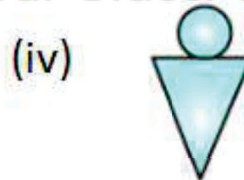
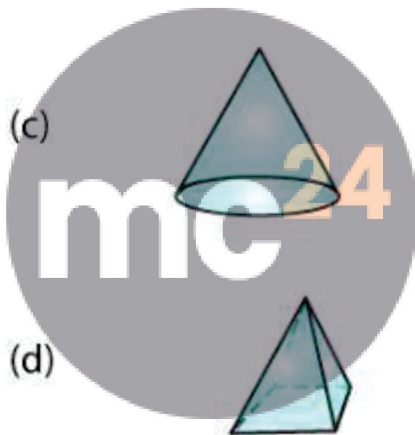
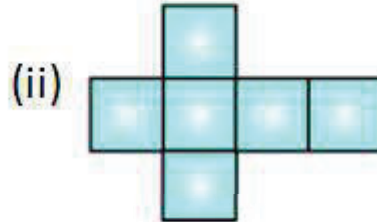
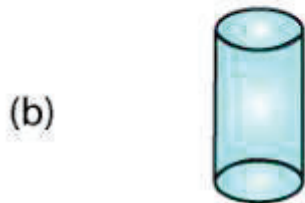
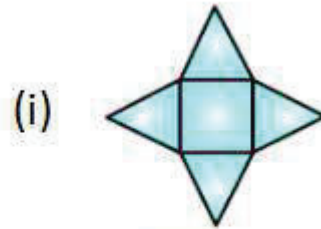
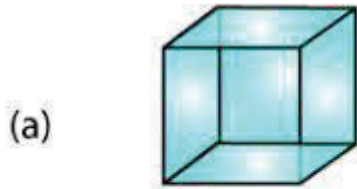


Fig. 20

**Solution:**

- (a) → (ii)
- (b) → (iii)
- (c) → (iv)
- (d) → (i)

2. Identify the nets which can be used to make cubes (cut-out the nets and try it):

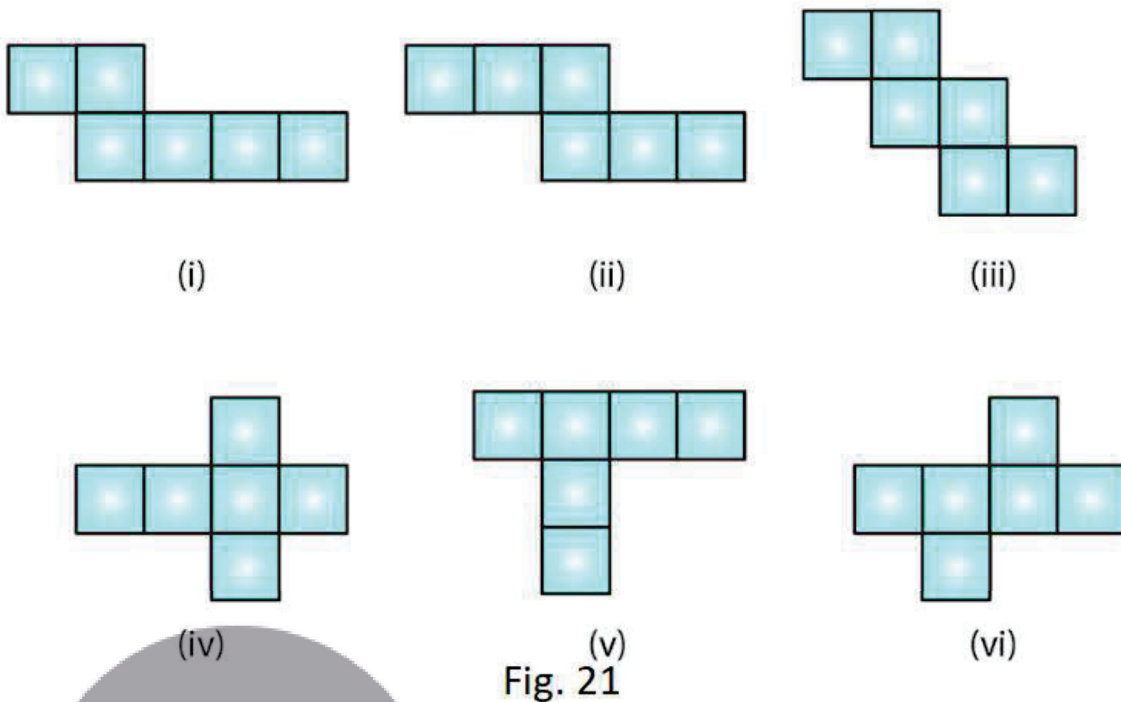


Fig. 21

**Solution:**

Only (ii), (iv) and (vi) form a cube.

**3. Can the following be a net for a die? Explain your answer.**

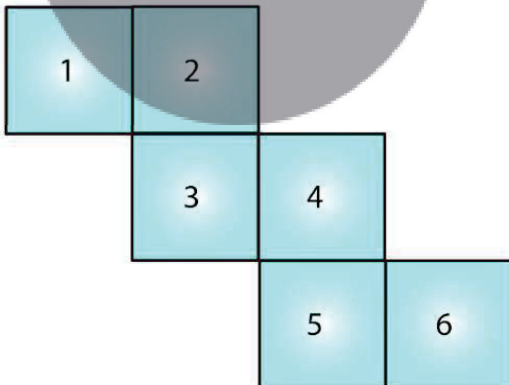


Fig. 22

**Solution:**

We know that in a die, the sum of the number of opposite faces of a die is 7. In the given figure, it is not possible to get the sum as 7. Hence the given net is not suitable for a die.

**4. Out of the following four nets there are two correct nets to make a tetrahedron. Identify them.**

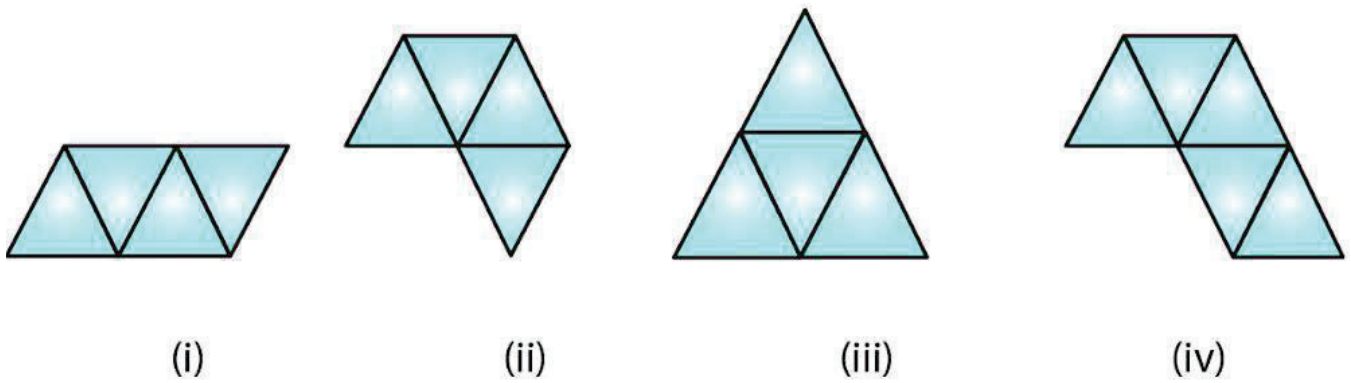


Fig. 23

**Solution:**

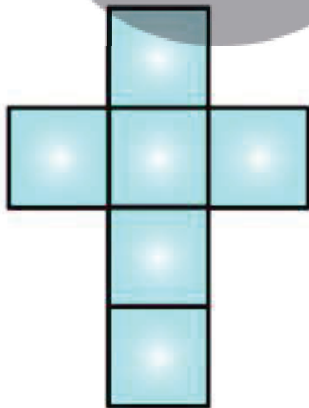
For making a tetrahedron, only (i) and (iii) are suitable nets.

5. Here is an incomplete net for making a cube. Complete it in at least two different ways.

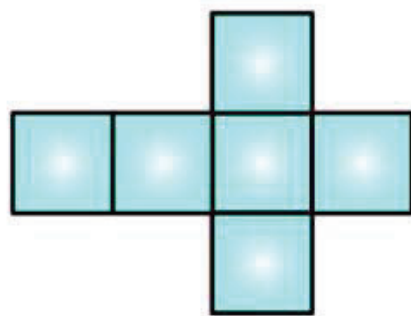


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**Solution:**



(i)



(ii)