

Board – icse

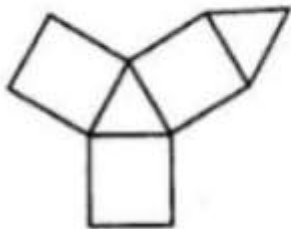
Class – 8th

Topic – REPRESENTING 3D IN 2D

1. Can a polyhedron have 6 faces, 26 edges and 16 vertices?
2. Can a polyhedron have 8 faces, 21 edges and 10 vertices?
3. Can a polyhedron have?
 - (i) 3 triangles only?
 - (ii) 2 triangles and 1 square only?
4. If a polyhedron has 7 faces and 15 vertices, find the number of edges in it.
5. If a polyhedron has 6 faces and 13 vertices, find the number of edges in it.
6. If a polyhedron has 14 faces and 26 vertices, find the number of edges in it.
7. What is the least number of planes that can enclose a solid? What is the name of the solid?
8. Dice are cubes where the sum of the numbers on the opposite faces is 7. Find the missing numbers a, b and c.

			5
a	4	3	b
			c

9. Name the polyhedron that can be made by folding the net:



Exclusively
Class 11th & 12th

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RAHEJA VIHAR

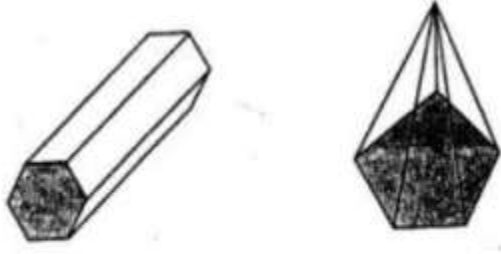
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10. Draw nets for the following polyhedrons:



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