



MATHS

BOOKS - RD SHARMA MATHS (ENGLISH)

VISUALISING SHAPES

Others

1. What is the least number of planes that can enclose a solid? What is the name of the solid?



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2. Can a polyhedron have for its faces: 3 triangles? (ii) 4 triangles? a square and four triangles?



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3. Is it possible to have a polyhedron with any given number of faces?



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4. Is a square prism same as a cube?



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5. Can a polyhedron have 10 faces, 20 edges and 15 vertices?



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6. Verify Euler's formula for each of the following polyhedrons: Figure (ii)

Figure (iii) Figure



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7. Using Euler's formula find the unknown:
Faces, ?, 5, 20 Vertices, 6, ?, 12 Edges, 12, 9, ?



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8. Which among the following are nets for a cube? Figure (ii) Figure (iii)
Figure Figure (v) Figure (vi)
Figure



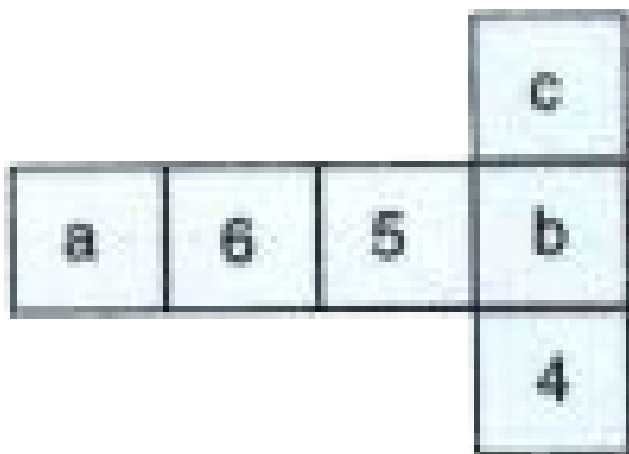
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9. Name the polyhedron that can be made by folding each net: Figure (ii)
Figure (iii) Figure



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10. Dice are cubes where the sum of the numbers on the opposite faces is 7. Find the missing numbers a, b and C.



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11. Match the following figures Prisms Nets
with areas of faces (a) (b) (c) (d)



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