EduSahara™ Learning Center Assignment

Grade : Class IX, ICSE
Chapter : Volume and Surface Area of Solids
Name : Cube and Cuboid

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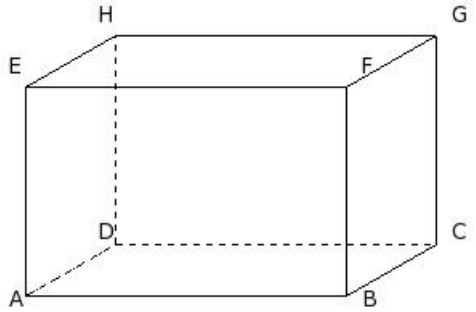
1. If the length, breadth and height of a cuboid are 20.00 cm, 13.00 cm and 13.00 cm respectively, its L.S.A is



(i) 836.00 sq.cm (ii) 871.00 sq.cm (iii) 845.00 sq.cm (iv) 858.00 sq.cm (v) 864.00 sq.cm

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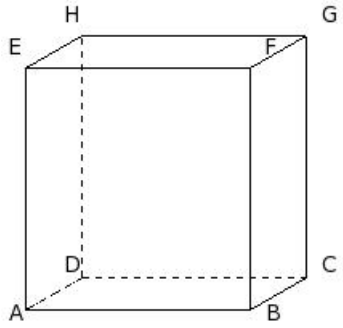
2. If the length, breadth and height of a cuboid are 14.00 cm, 8.00 cm and 15.00 cm respectively, its T.S.A is



(i) 869.00 sq.cm (ii) 898.00 sq.cm (iii) 884.00 sq.cm (iv) 891.00 sq.cm (v) 857.00 sq.cm

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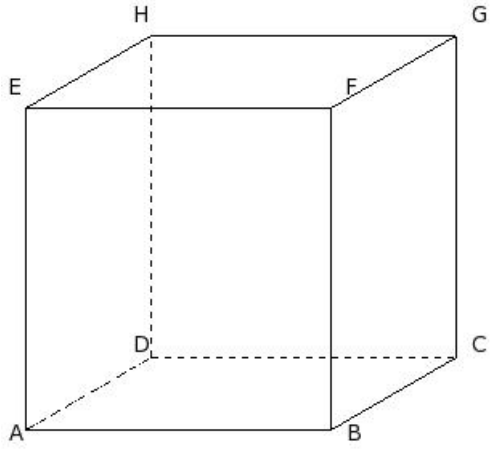
3. If the length, breadth and height of a cuboid are 19.00 cm, 18.00 cm and 20.00 cm respectively, its volume is



(i) 6910.00 cu.cm (ii) 6810.00 cu.cm (iii) 6840.00 cu.cm (iv) 6990.00 cu.cm (v) 6660.00 cu.cm

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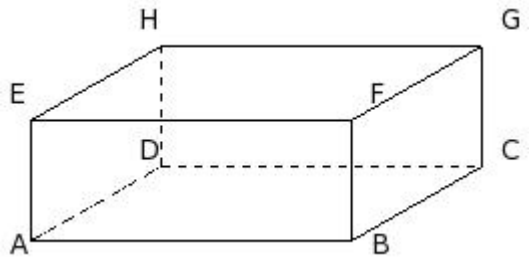
4. If the length, breadth and L.S.A of a cuboid are 16.00 cm, 15.00 cm and 372.00 sq.cm respectively, its height is



(i) 8.00 cm (ii) 7.00 cm (iii) 4.00 cm (iv) 5.00 cm (v) 6.00 cm

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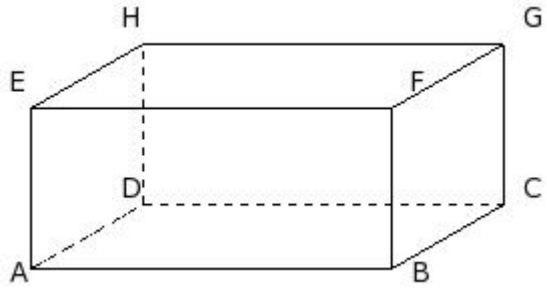
5. If the length, breadth and L.S.A of a cuboid are 18.00 cm, 13.00 cm and 496.00 sq.cm respectively, its T.S.A is



(i) 952.00 sq.cm (ii) 971.00 sq.cm (iii) 978.00 sq.cm (iv) 964.00 sq.cm (v) 949.00 sq.cm

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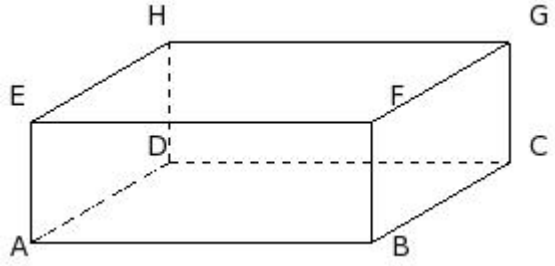
6. If the length, breadth and L.S.A of a cuboid are 17.00 cm, 16.00 cm and 396.00 sq.cm respectively, its volume is



(i) 1502.00 cu.cm (ii) 1892.00 cu.cm (iii) 1682.00 cu.cm (iv) 1472.00 cu.cm (v) 1632.00 cu.cm

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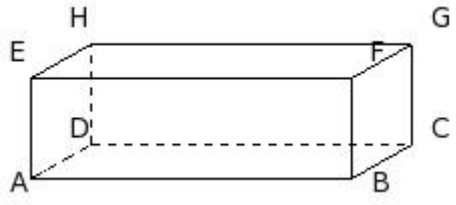
7. If the length, breadth and T.S.A of a cuboid are 16.00 cm, 7.00 cm and 454.00 sq.cm respectively, its height is



(i) 6.00 cm (ii) 3.00 cm (iii) 7.00 cm (iv) 4.00 cm (v) 5.00 cm

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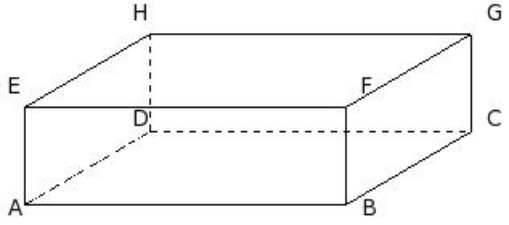
8. If the length, breadth and T.S.A of a cuboid are 20.00 cm, 18.00 cm and 1176.00 sq.cm respectively, its L.S.A is



(i) 469.00 sq.cm (ii) 456.00 sq.cm (iii) 430.00 sq.cm (iv) 449.00 sq.cm (v) 464.00 sq.cm

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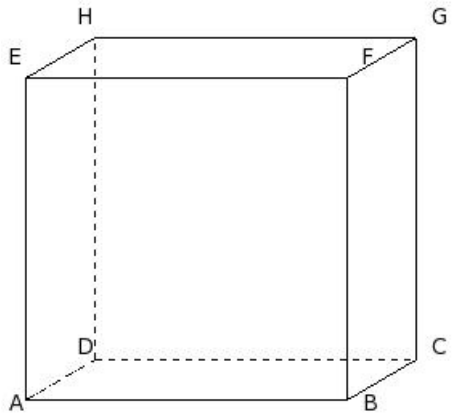
9.

If the length, breadth and T.S.A of a cuboid are 20.00 cm, 10.00 cm and 1600.00 sq.cm respectively, its volume is



(i) 4160.00 cu.cm (ii) 4220.00 cu.cm (iii) 3980.00 cu.cm (iv) 4000.00 cu.cm (v) 3750.00 cu.cm

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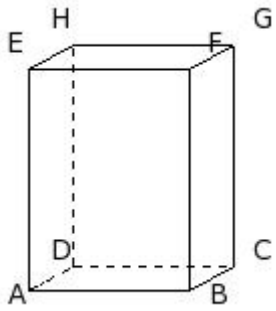
10. If the length, breadth and volume of a cuboid are 8.00 cm, 5.00 cm and 440.00 cu.cm respectively, its height is



(i) 6.00 cm (ii) 8.00 cm (iii) 16.00 cm (iv) 11.00 cm (v) 14.00 cm

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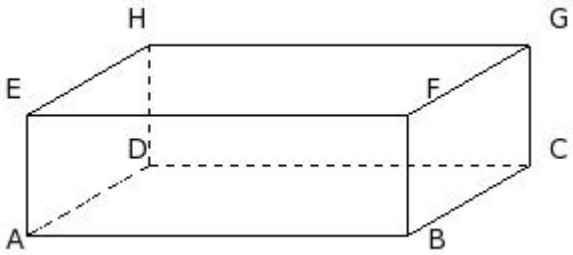
11. If the length, breadth and volume of a cuboid are 19.00 cm, 14.00 cm and 1596.00 cu.cm respectively, its L.S.A is



(i) 396.00 sq.cm (ii) 408.00 sq.cm (iii) 370.00 sq.cm (iv) 393.00 sq.cm

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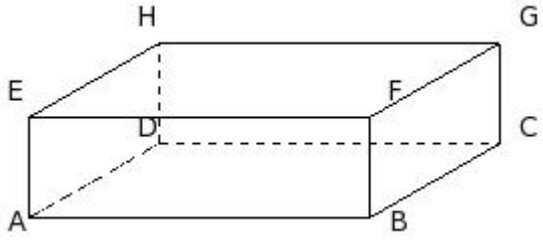
12. If the length, breadth and volume of a cuboid are 17.00 cm, 15.00 cm and 1275.00 cu.cm respectively, its T.S.A is



(i) 830.00 sq.cm (ii) 804.00 sq.cm (iii) 853.00 sq.cm (iv) 816.00 sq.cm (v) 835.00 sq.cm

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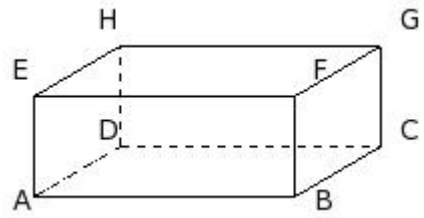
13. If the length, height and L.S.A of a cuboid are 13.00 cm, 5.00 cm and 230.00 sq.cm respectively, its breadth is



(i) 15.00 cm (ii) 5.00 cm (iii) 10.00 cm (iv) 7.00 cm (v) 13.00 cm

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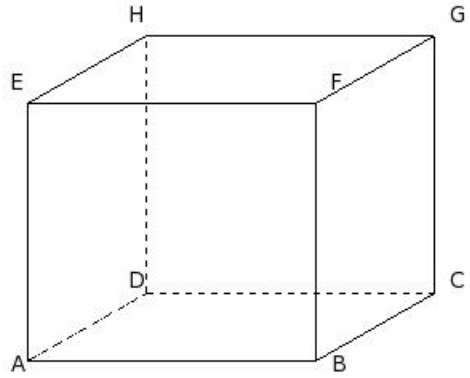
14. If the length, height and L.S.A of a cuboid are 18.00 cm, 16.00 cm and 1120.00 sq.cm respectively, its T.S.A is



(i) 1882.00 sq.cm (ii) 1732.00 sq.cm (iii) 1892.00 sq.cm (iv) 1602.00 sq.cm (v) 1612.00 sq.cm

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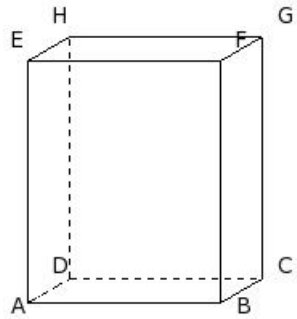
15. If the length, height and L.S.A of a cuboid are 12.00 cm, 15.00 cm and 540.00 sq.cm respectively, its volume is



(i) 1120.00 cu.cm (ii) 930.00 cu.cm (iii) 1080.00 cu.cm (iv) 920.00 cu.cm (v) 1350.00 cu.cm

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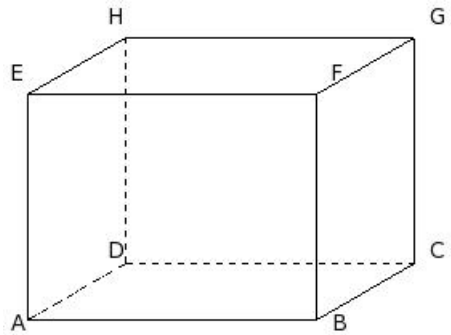
16. If the length, height and T.S.A of a cuboid are 18.00 cm, 14.00 cm and 1400.00 sq.cm respectively, its breadth is



(i) 11.00 cm (ii) 14.00 cm (iii) 19.00 cm (iv) 9.00 cm (v) 17.00 cm

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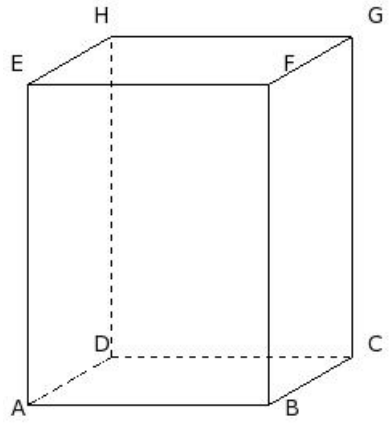
17. If the length, height and T.S.A of a cuboid are 15.00 cm, 20.00 cm and 1440.00 sq.cm respectively, its L.S.A is



(i) 1250.00 sq.cm (ii) 920.00 sq.cm (iii) 1110.00 sq.cm (iv) 1080.00 sq.cm (v) 930.00 sq.cm

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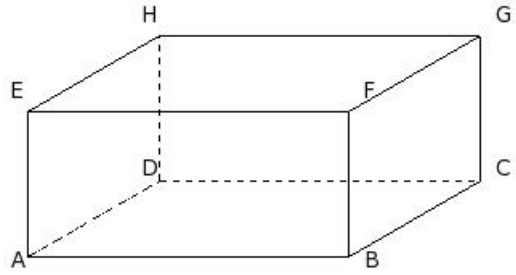
18. If the length, height and volume of a cuboid are 20.00 cm, 9.00 cm and 3420.00 cu.cm respectively, its breadth is



(i) 22.00 cm (ii) 16.00 cm (iii) 14.00 cm (iv) 24.00 cm (v) 19.00 cm

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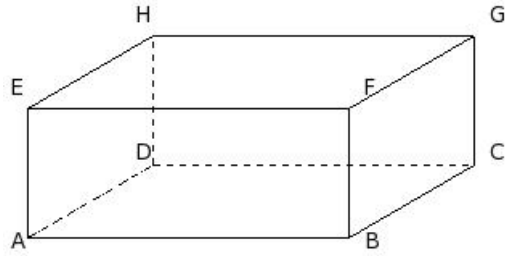
19. If the length, height and volume of a cuboid are 20.00 cm, 8.00 cm and 2880.00 cu.cm respectively, its L.S.A is



(i) 596.00 sq.cm (ii) 622.00 sq.cm (iii) 608.00 sq.cm (iv) 604.00 sq.cm (v) 623.00 sq.cm

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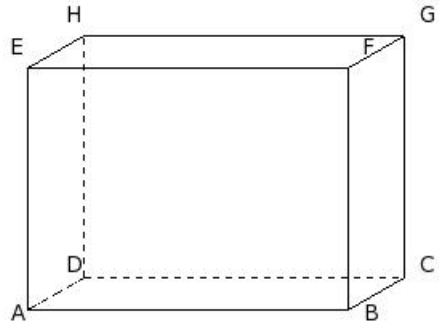
20. If the length, height and volume of a cuboid are 20.00 cm, 15.00 cm and 2400.00 cu.cm respectively, its T.S.A is



(i) 1340.00 sq.cm (ii) 1030.00 sq.cm (iii) 1000.00 sq.cm (iv) 1160.00 sq.cm

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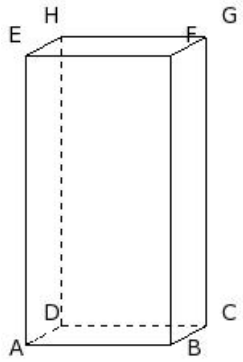
21. If the breadth, height and L.S.A of a cuboid are 5.00 cm, 18.00 cm and 504.00 sq.cm respectively, its length is



(i) 10.00 cm (ii) 7.00 cm (iii) 11.00 cm (iv) 9.00 cm (v) 8.00 cm

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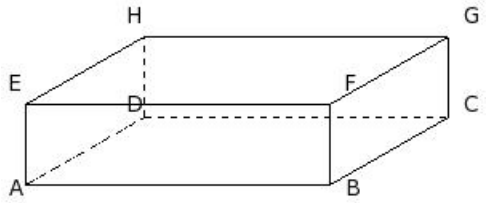
22. If the breadth, height and L.S.A of a cuboid are 17.00 cm, 5.00 cm and 360.00 sq.cm respectively, its T.S.A is



(i) 936.00 sq.cm (ii) 1056.00 sq.cm (iii) 1246.00 sq.cm (iv) 736.00 sq.cm (v) 1006.00 sq.cm

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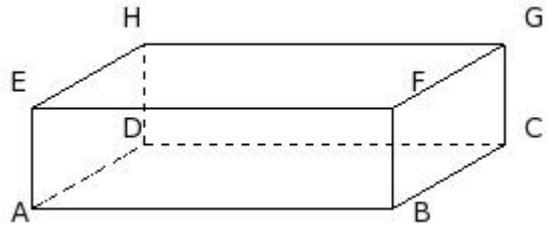
23. If the breadth, height and L.S.A of a cuboid are 13.00 cm, 5.00 cm and 310.00 sq.cm respectively, its volume is



(i) 1020.00 cu.cm (ii) 1100.00 cu.cm (iii) 1330.00 cu.cm (iv) 1170.00 cu.cm (v) 1340.00 cu.cm

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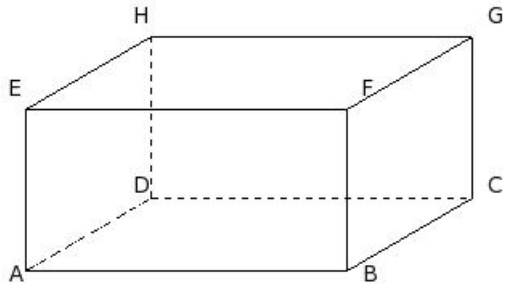
24. If the breadth, height and T.S.A of a cuboid are 18.00 cm, 10.00 cm and 1480.00 sq.cm respectively, its length is



(i) 20.00 cm (ii) 15.00 cm (iii) 17.00 cm (iv) 25.00 cm (v) 23.00 cm

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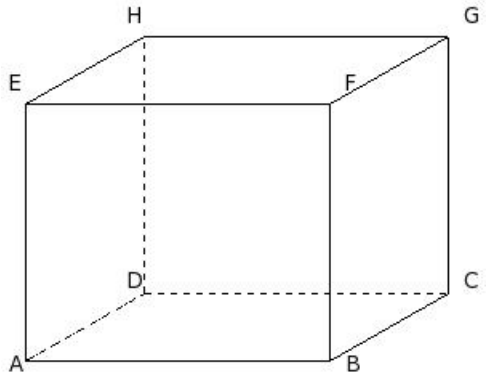
25. If the breadth, height and T.S.A of a cuboid are 17.00 cm, 16.00 cm and 1798.00 sq.cm respectively, its L.S.A is



(i) 982.00 sq.cm (ii) 1292.00 sq.cm (iii) 1332.00 sq.cm (iv) 1152.00 sq.cm (v) 1102.00 sq.cm

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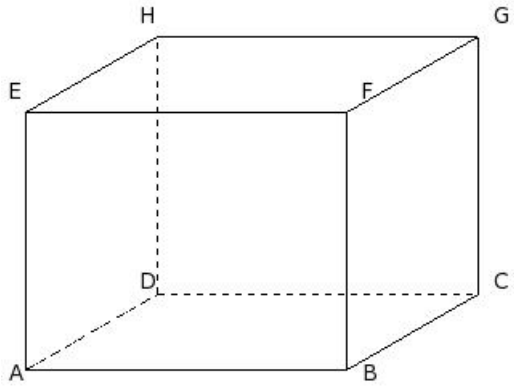
26. If the breadth, height and T.S.A of a cuboid are 19.00 cm, 16.00 cm and 2008.00 sq.cm respectively, its volume is



(i) 6110.00 cu.cm (ii) 6080.00 cu.cm (iii) 5940.00 cu.cm (iv) 6260.00 cu.cm (v) 6030.00 cu.cm

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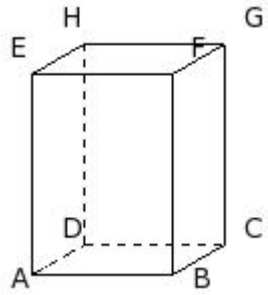
27. If the breadth, height and volume of a cuboid are 6.00 cm, 10.00 cm and 420.00 cu.cm respectively, its length is



(i) 8.00 cm (ii) 5.00 cm (iii) 9.00 cm (iv) 7.00 cm (v) 6.00 cm

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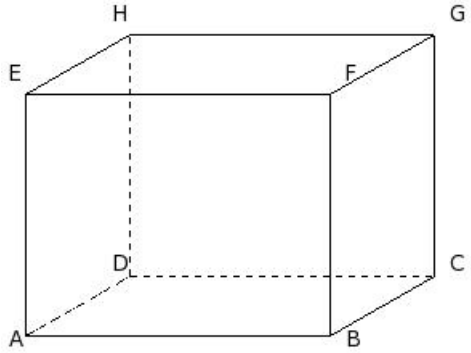
28. If the breadth, height and volume of a cuboid are 15.00 cm, 15.00 cm and 4275.00 cu.cm respectively, its L.S.A is



(i) 1250.00 sq.cm (ii) 960.00 sq.cm (iii) 1040.00 sq.cm (iv) 1020.00 sq.cm (v) 880.00 sq.cm

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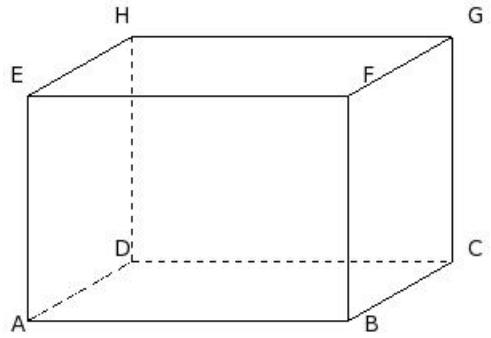
29. If the breadth, height and volume of a cuboid are 15.00 cm, 14.00 cm and 4200.00 cu.cm respectively, its T.S.A is



(i) 1720.00 sq.cm (ii) 1430.00 sq.cm (iii) 1700.00 sq.cm (iv) 1350.00 sq.cm (v) 1580.00 sq.cm

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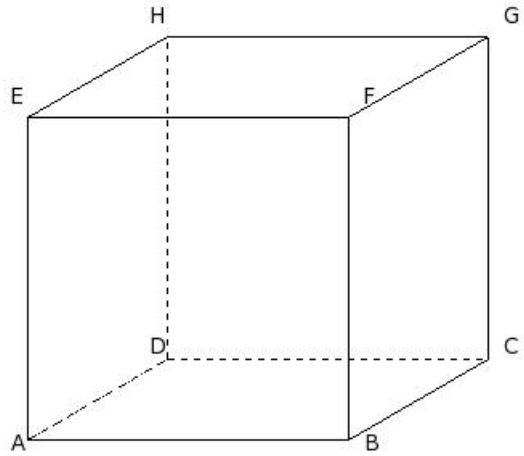
30. If the side of a cube is 20.00 cm, its L.S.A is



(i) 1600.00 sq.cm (ii) 1860.00 sq.cm (iii) 1450.00 sq.cm (iv) 1780.00 sq.cm (v) 1460.00 sq.cm

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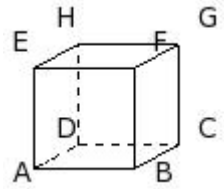
31. If the side of a cube is 5.00 cm, its T.S.A is



(i) 154.00 sq.cm (ii) 133.00 sq.cm (iii) 128.00 sq.cm (iv) 166.00 sq.cm (v) 150.00 sq.cm

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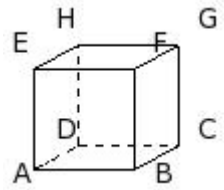
32. If the side of a cube is 5.00 cm, its volume is



(i) 125.00 cu.cm (ii) 110.00 cu.cm (iii) 141.00 cu.cm (iv) 112.00 cu.cm

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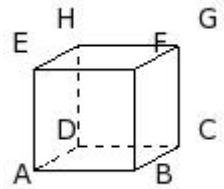
33. If the L.S.A of a cube is 100.00 sq.cm, its side is



(i) 7.00 cm (ii) 4.00 cm (iii) 5.00 cm (iv) 3.00 cm (v) 6.00 cm

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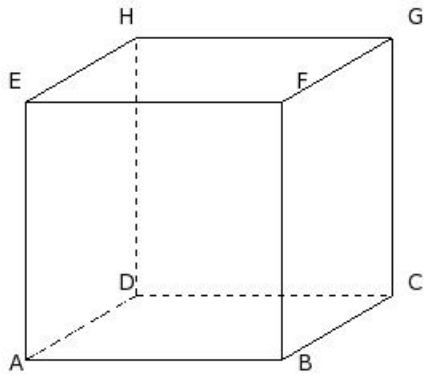
34. If the L.S.A of a cube is 1024.00 sq.cm, its T.S.A is



(i) 1536.00 sq.cm (ii) 1276.00 sq.cm (iii) 1356.00 sq.cm (iv) 1616.00 sq.cm (v) 1806.00 sq.cm

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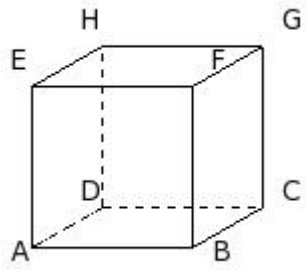
35. If the L.S.A of a cube is 256.00 sq.cm, its volume is



(i) 512.00 cu.cm (ii) 497.00 cu.cm (iii) 498.00 cu.cm (iv) 536.00 cu.cm (v) 520.00 cu.cm

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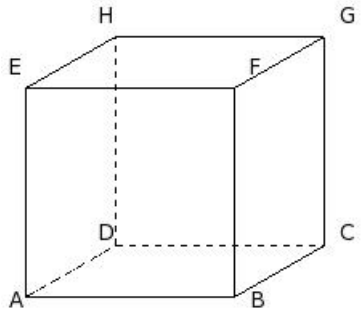
36. If the T.S.A of a cube is 1014.00 sq.cm, its side is



(i) 8.00 cm (ii) 13.00 cm (iii) 16.00 cm (iv) 18.00 cm (v) 10.00 cm

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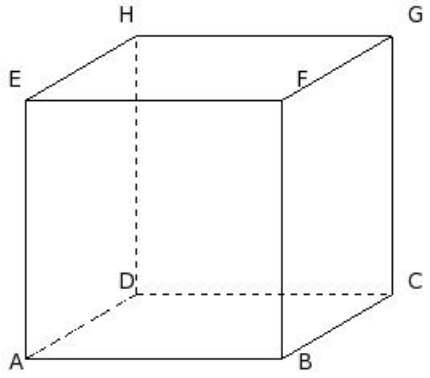
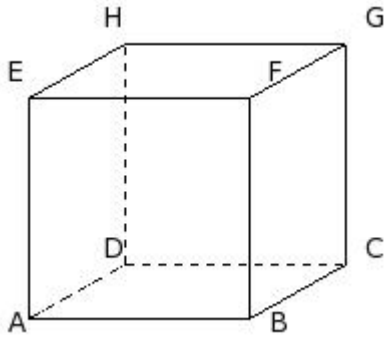
37. If the T.S.A of a cube is 1536.00 sq.cm, its L.S.A is



(i) 1204.00 sq.cm (ii) 994.00 sq.cm (iii) 794.00 sq.cm (iv) 1024.00 sq.cm (v) 1244.00 sq.cm

38. If the T.S.A of a cube is 726.00 sq.cm, its volume is



(i) 1061.00 cu.cm (ii) 1481.00 cu.cm (iii) 1461.00 cu.cm (iv) 1331.00 cu.cm (v) 1171.00 cu.cm

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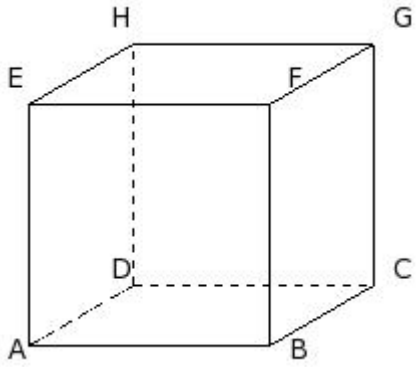
39. If the volume of a cube is 1728.00 cu.cm, its side is



(i) 9.00 cm (ii) 15.00 cm (iii) 12.00 cm (iv) 17.00 cm (v) 7.00 cm

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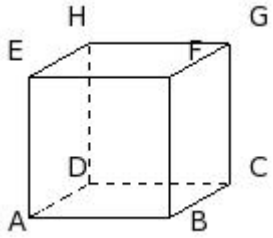
40. If the volume of a cube is 343.00 cu.cm, its L.S.A is



(i) 170.00 sq.cm (ii) 211.00 sq.cm (iii) 213.00 sq.cm (iv) 194.00 sq.cm (v) 196.00 sq.cm

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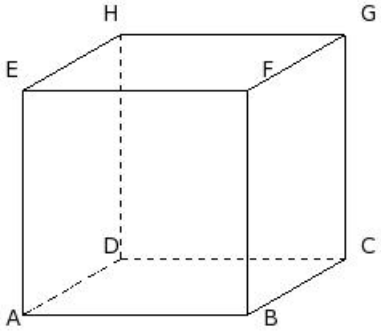
41. If the volume of a cube is 2744.00 cu.cm, its T.S.A is



(i) 1356.00 sq.cm (ii) 1016.00 sq.cm (iii) 1096.00 sq.cm (iv) 1346.00 sq.cm (v) 1176.00 sq.cm

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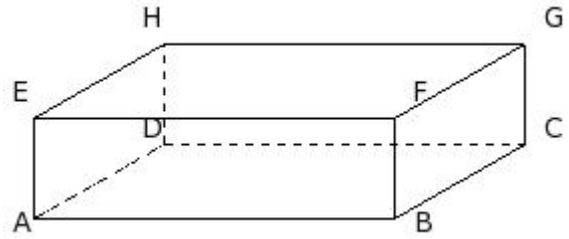
42. If the length, height and T.S.A of a cuboid are 18.00 cm, 5.00 cm and 870.00 sq.cm respectively, its volume is



(i) 1390.00 cu.cm (ii) 1220.00 cu.cm (iii) 1350.00 cu.cm (iv) 1100.00 cu.cm (v) 1630.00 cu.cm

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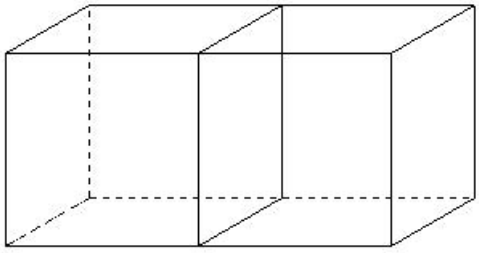
43. Two cubes each of volume 1728.00 cu.cm are joined end to end . Find the surface area of the resulting cuboid.



(i) 1590.00 sq.cm (ii) 1300.00 sq.cm (iii) 1270.00 sq.cm

(iv) 1440.00 sq.cm (v) 1600.00 sq.cm

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44. Water in a canal, 14 mt wide and 4 mt deep is flowing with a speed of 12 kmph . How much area will it irrigate in 45 min., if 6 cm of standing water is needed ?

(i) 8180000.00 sq.mts (ii) 8650000.00 sq.mts (iii) 8570000.00 sq.mts

(iv) 8400000.00 sq.mts (v) 8260000.00 sq.mts

Assignment Key

1) (iv)
2) (iii)
3) (iii)
4) (v)
5) (iv)
6) (v)
7) (v)
8) (ii)
9) (iv)
10) (iv)
11) (i)
12) (i)
13) (iii)
14) (ii)
15) (iii)
16) (ii)
17) (iv)
18) (v)
19) (iii)
20) (iv)
21) (iv)
22) (v)
23) (iv)
24) (i)
25) (iv)
26) (ii)
27) (iv)
28) (iv)
29) (v)
30) (i)
31) (v)
32) (i)
33) (iii)
34) (i)
35) (i)
36) (ii)
37) (iv)
38) (iv)
39) (iii)
40) (v)
41) (v)
42) (iii)
43) (iv)
44) (iv)