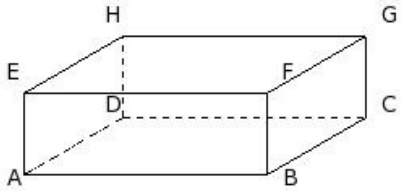
EduSahara™ Assignment

Name : Cube and Cuboid

Chapter : Volume and Surface Area of Solids

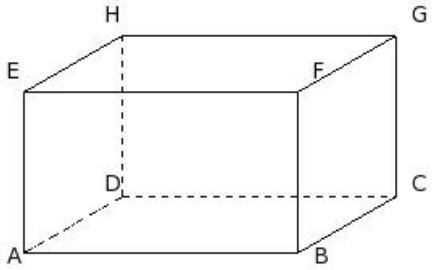
Grade : ICSE Grade IX

1. If the length, breadth and height of a cuboid are 15.00 cm, 14.00 cm and 5.00 cm respectively, its L.S.A is



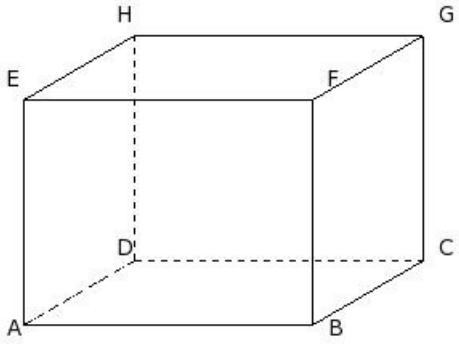
(i) 306.00 sq.cm (ii) 275.00 sq.cm (iii) 290.00 sq.cm (iv) 286.00 sq.cm (v) 292.00 sq.cm

2. If the length, breadth and height of a cuboid are 17.00 cm, 14.00 cm and 10.00 cm respectively, its T.S.A is



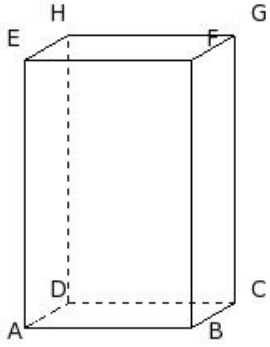
(i) 1226.00 sq.cm (ii) 936.00 sq.cm (iii) 1096.00 sq.cm (iv) 926.00 sq.cm (v) 1156.00 sq.cm

3. If the length, breadth and height of a cuboid are 18.00 cm, 16.00 cm and 14.00 cm respectively, its volume is



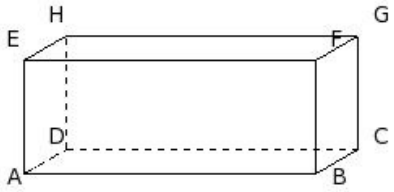
(i) 3872.00 cu.cm (ii) 4082.00 cu.cm (iii) 3852.00 cu.cm (iv) 4032.00 cu.cm (v) 4162.00 cu.cm

4. If the length, breadth and L.S.A of a cuboid are 10.00 cm, 6.00 cm and 512.00 sq.cm respectively, its height is



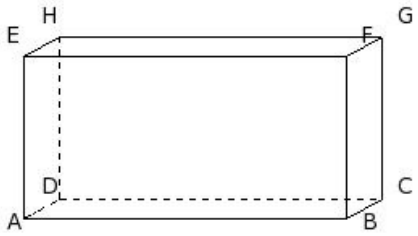
(i) 13.00 cm (ii) 16.00 cm (iii) 21.00 cm (iv) 19.00 cm (v) 11.00 cm

5. If the length, breadth and L.S.A of a cuboid are 18.00 cm, 6.00 cm and 336.00 sq.cm respectively, its T.S.A is



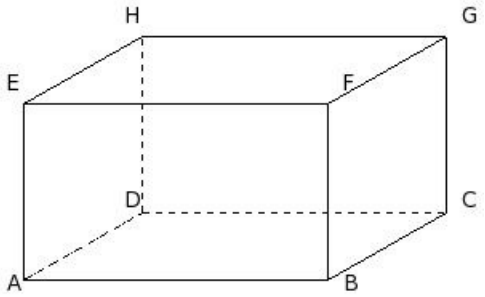
(i) 526.00 sq.cm (ii) 552.00 sq.cm (iii) 559.00 sq.cm (iv) 568.00 sq.cm (v) 537.00 sq.cm

6. If the length, breadth and L.S.A of a cuboid are 20.00 cm, 5.00 cm and 500.00 sq.cm respectively, its volume is



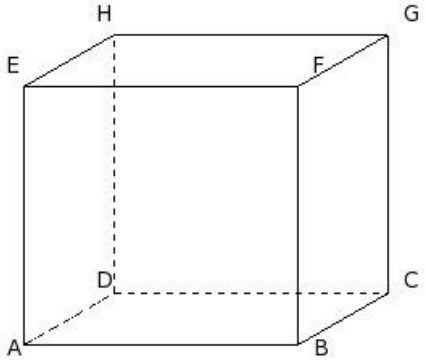
(i) 1160.00 cu.cm (ii) 1000.00 cu.cm (iii) 870.00 cu.cm (iv) 1150.00 cu.cm

7. If the length, breadth and T.S.A of a cuboid are 19.00 cm, 17.00 cm and 1438.00 sq.cm respectively, its height is



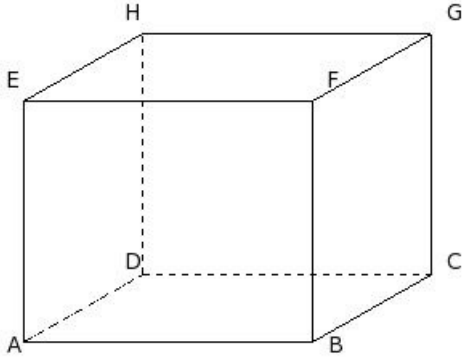
(i) 6.00 cm (ii) 11.00 cm (iii) 16.00 cm (iv) 8.00 cm (v) 14.00 cm

8. If the length, breadth and T.S.A of a cuboid are 17.00 cm, 13.00 cm and 1402.00 sq.cm respectively, its L.S.A is



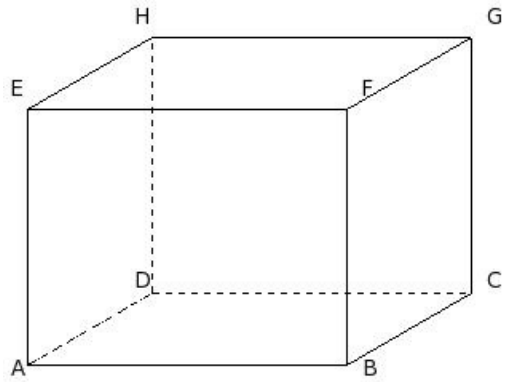
(i) 960.00 sq.cm (ii) 972.00 sq.cm (iii) 957.00 sq.cm (iv) 935.00 sq.cm (v) 976.00 sq.cm

9. If the length, breadth and T.S.A of a cuboid are 18.00 cm, 17.00 cm and 1662.00 sq.cm respectively, its volume is



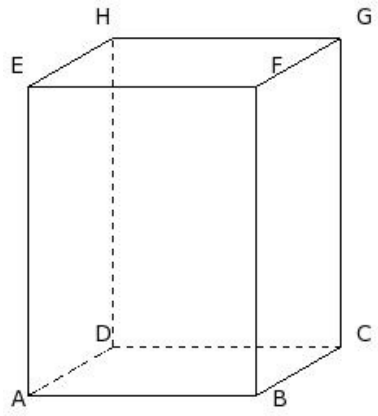
(i) 4320.00 cu.cm (ii) 4510.00 cu.cm (iii) 4590.00 cu.cm (iv) 4660.00 cu.cm (v) 4710.00 cu.cm

10. If the length, breadth and volume of a cuboid are 20.00 cm, 18.00 cm and 5760.00 cu.cm respectively, its height is



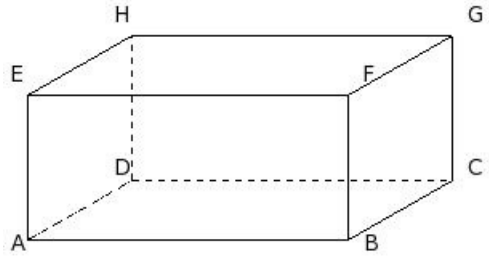
(i) 11.00 cm (ii) 21.00 cm (iii) 16.00 cm (iv) 19.00 cm (v) 13.00 cm

11. If the length, breadth and volume of a cuboid are 14.00 cm, 12.00 cm and 3192.00 cu.cm respectively, its L.S.A is



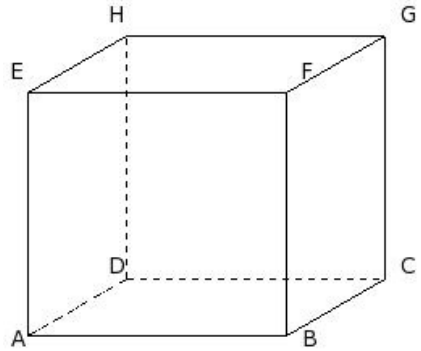
(i) 975.00 sq.cm (ii) 988.00 sq.cm (iii) 964.00 sq.cm (iv) 1006.00 sq.cm (v) 1004.00 sq.cm

12. If the length, breadth and volume of a cuboid are 20.00 cm, 15.00 cm and 2700.00 cu.cm respectively, its T.S.A is



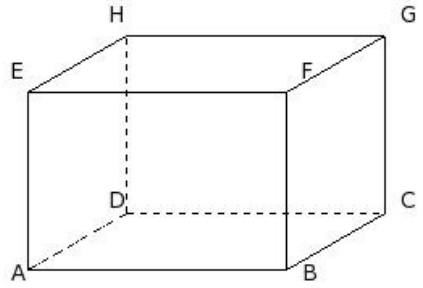
(i) 1370.00 sq.cm (ii) 1230.00 sq.cm (iii) 1150.00 sq.cm (iv) 1060.00 sq.cm (v) 1480.00 sq.cm

13. If the length, height and L.S.A of a cuboid are 16.00 cm, 15.00 cm and 900.00 sq.cm respectively, its breadth is



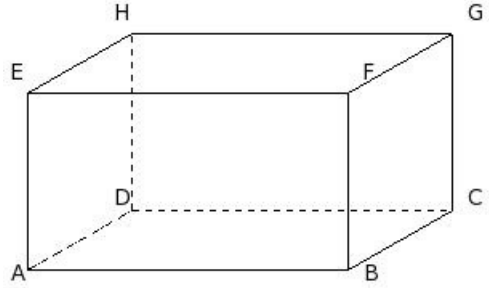
(i) 17.00 cm (ii) 11.00 cm (iii) 14.00 cm (iv) 9.00 cm (v) 19.00 cm

14. If the length, height and L.S.A of a cuboid are 16.00 cm, 11.00 cm and 660.00 sq.cm respectively, its T.S.A is



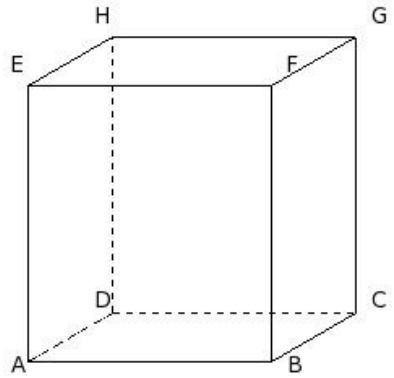
(i) 1108.00 sq.cm (ii) 878.00 sq.cm (iii) 1128.00 sq.cm (iv) 1238.00 sq.cm (v) 948.00 sq.cm

15. If the length, height and L.S.A of a cuboid are 20.00 cm, 11.00 cm and 770.00 sq.cm respectively, its volume is



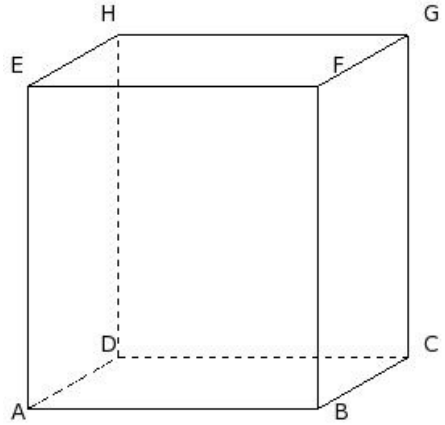
(i) 3030.00 cu.cm (ii) 3450.00 cu.cm (iii) 3140.00 cu.cm (iv) 3300.00 cu.cm (v) 3470.00 cu.cm

16. If the length, height and T.S.A of a cuboid are 15.00 cm, 17.00 cm and 1278.00 sq.cm respectively, its breadth is



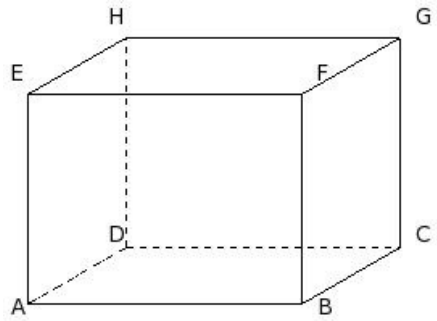
(i) 7.00 cm (ii) 17.00 cm (iii) 9.00 cm (iv) 15.00 cm (v) 12.00 cm

17. If the length, height and T.S.A of a cuboid are 18.00 cm, 20.00 cm and 1708.00 sq.cm respectively, its L.S.A is



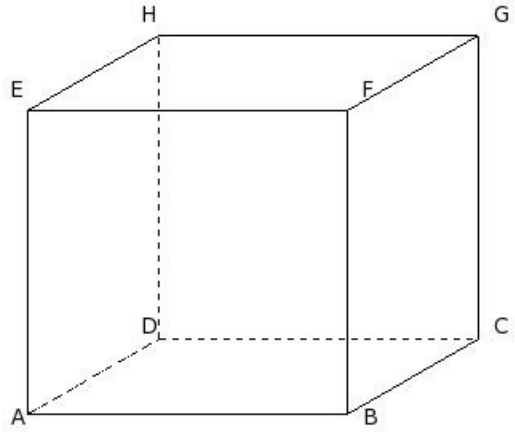
(i) 1200.00 sq.cm (ii) 1260.00 sq.cm (iii) 1240.00 sq.cm (iv) 1370.00 sq.cm (v) 1070.00 sq.cm

18. If the length, height and volume of a cuboid are 17.00 cm, 13.00 cm and 3094.00 cu.cm respectively, its breadth is



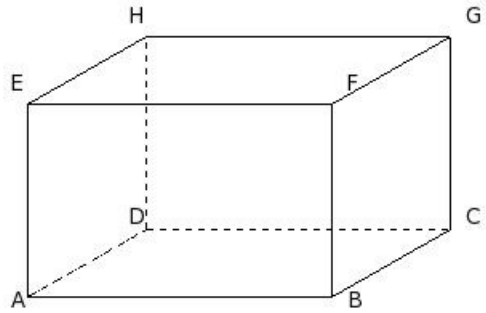
(i) 14.00 cm (ii) 17.00 cm (iii) 19.00 cm (iv) 9.00 cm (v) 11.00 cm

19. If the length, height and volume of a cuboid are 20.00 cm, 19.00 cm and 7220.00 cu.cm respectively, its L.S.A is



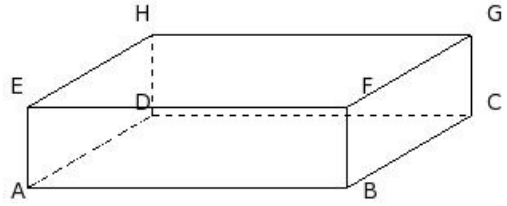
(i) 1542.00 sq.cm (ii) 1602.00 sq.cm (iii) 1482.00 sq.cm (iv) 1222.00 sq.cm (v) 1402.00 sq.cm

20. If the length, height and volume of a cuboid are 19.00 cm, 12.00 cm and 3876.00 cu.cm respectively, its T.S.A is



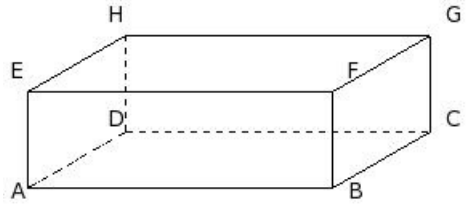
(i) 1510.00 sq.cm (ii) 1740.00 sq.cm (iii) 1290.00 sq.cm (iv) 1660.00 sq.cm (v) 1490.00 sq.cm

21. If the breadth, height and L.S.A of a cuboid are 18.00 cm, 5.00 cm and 380.00 sq.cm respectively, its length is



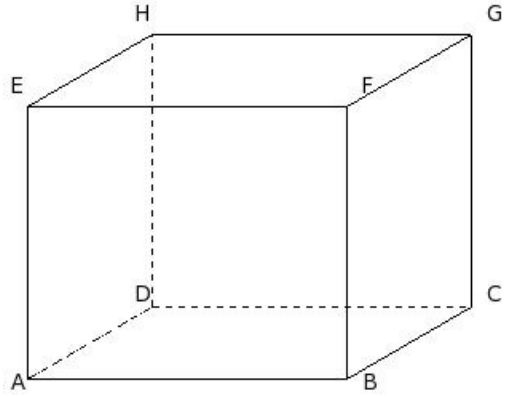
(i) 20.00 cm (ii) 15.00 cm (iii) 17.00 cm (iv) 23.00 cm (v) 25.00 cm

22. If the breadth, height and L.S.A of a cuboid are 14.00 cm, 6.00 cm and 396.00 sq.cm respectively, its T.S.A is



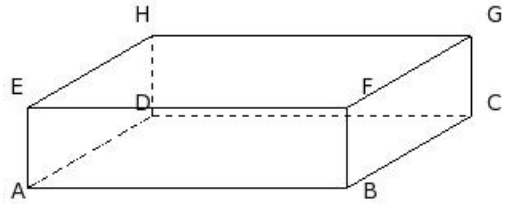
(i) 945.00 sq.cm (ii) 916.00 sq.cm (iii) 944.00 sq.cm (iv) 924.00 sq.cm (v) 928.00 sq.cm

23. If the breadth, height and L.S.A of a cuboid are 18.00 cm, 17.00 cm and 1292.00 sq.cm respectively, its volume is



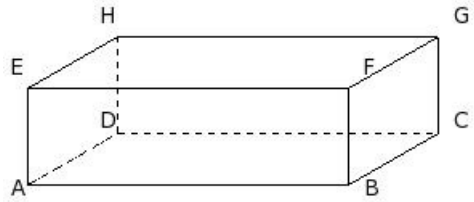
(i) 5960.00 cu.cm (ii) 6270.00 cu.cm (iii) 6120.00 cu.cm (iv) 6240.00 cu.cm (v) 5880.00 cu.cm

24. If the breadth, height and T.S.A of a cuboid are 18.00 cm, 5.00 cm and 1100.00 sq.cm respectively, its length is



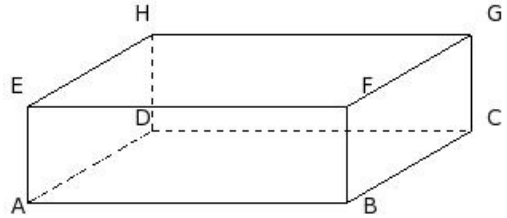
(i) 23.00 cm (ii) 17.00 cm (iii) 20.00 cm (iv) 25.00 cm (v) 15.00 cm

25. If the breadth, height and T.S.A of a cuboid are 13.00 cm, 6.00 cm and 916.00 sq.cm respectively, its L.S.A is



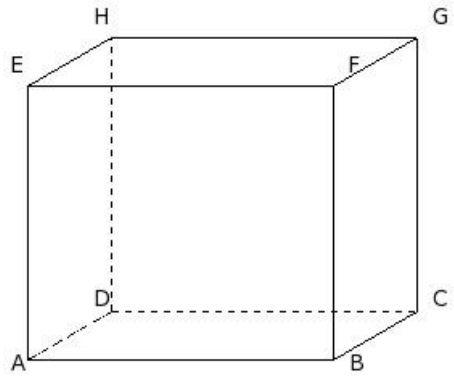
(i) 382.00 sq.cm (ii) 381.00 sq.cm (iii) 418.00 sq.cm (iv) 396.00 sq.cm (v) 400.00 sq.cm

26. If the breadth, height and T.S.A of a cuboid are 18.00 cm, 6.00 cm and 1176.00 sq.cm respectively, its volume is



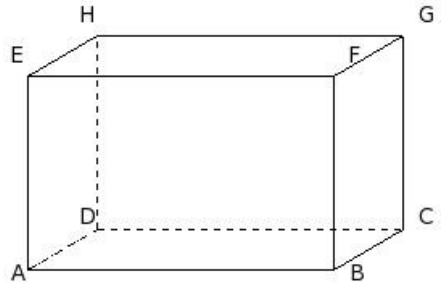
(i) 2230.00 cu.cm (ii) 2380.00 cu.cm (iii) 2110.00 cu.cm (iv) 2160.00 cu.cm (v) 1900.00 cu.cm

27. If the breadth, height and volume of a cuboid are 12.00 cm, 17.00 cm and 3876.00 cu.cm respectively, its length is



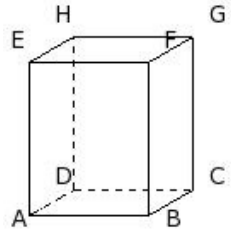
(i) 19.00 cm (ii) 24.00 cm (iii) 22.00 cm (iv) 14.00 cm (v) 16.00 cm

28. If the breadth, height and volume of a cuboid are 10.00 cm, 12.00 cm and 2280.00 cu.cm respectively, its L.S.A is



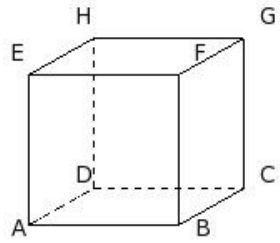
(i) 680.00 sq.cm (ii) 696.00 sq.cm (iii) 713.00 sq.cm (iv) 681.00 sq.cm (v) 724.00 sq.cm

29. If the breadth, height and volume of a cuboid are 6.00 cm, 9.00 cm and 378.00 cu.cm respectively, its T.S.A is



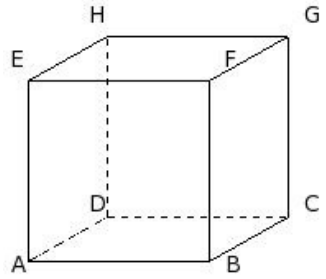
(i) 311.00 sq.cm (ii) 306.00 sq.cm (iii) 333.00 sq.cm (iv) 332.00 sq.cm (v) 318.00 sq.cm

30. If the side of a cube is 9.00 cm, its L.S.A is



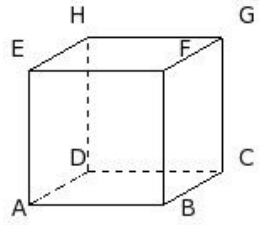
(i) 308.00 sq.cm (ii) 337.00 sq.cm (iii) 352.00 sq.cm (iv) 324.00 sq.cm (v) 302.00 sq.cm

31. If the side of a cube is 11.00 cm, its T.S.A is



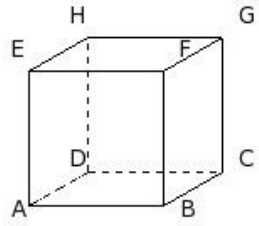
(i) 733.00 sq.cm (ii) 726.00 sq.cm (iii) 720.00 sq.cm (iv) 748.00 sq.cm (v) 699.00 sq.cm

32. If the side of a cube is 8.00 cm, its volume is



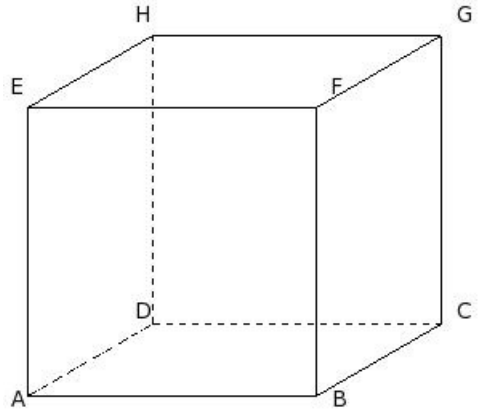
(i) 496.00 cu.cm (ii) 499.00 cu.cm (iii) 539.00 cu.cm (iv) 517.00 cu.cm (v) 512.00 cu.cm

33. If the L.S.A of a cube is 256.00 sq.cm, its side is



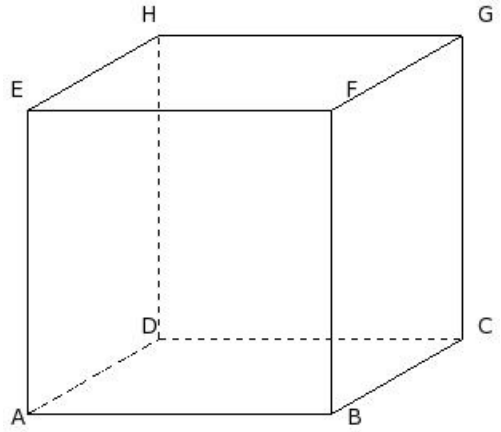
(i) 6.00 cm (ii) 10.00 cm (iii) 7.00 cm (iv) 9.00 cm (v) 8.00 cm

34. If the L.S.A of a cube is 1296.00 sq.cm, its T.S.A is



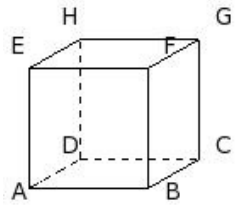
(i) 2114.00 sq.cm (ii) 2004.00 sq.cm (iii) 1774.00 sq.cm (iv) 1944.00 sq.cm (v) 1724.00 sq.cm

35. If the L.S.A of a cube is 1444.00 sq.cm, its volume is



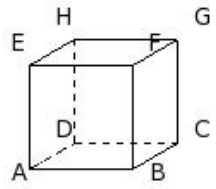
(i) 6859.00 cu.cm (ii) 6979.00 cu.cm (iii) 6629.00 cu.cm (iv) 7119.00 cu.cm (v) 6679.00 cu.cm

36. If the T.S.A of a cube is 294.00 sq.cm, its side is



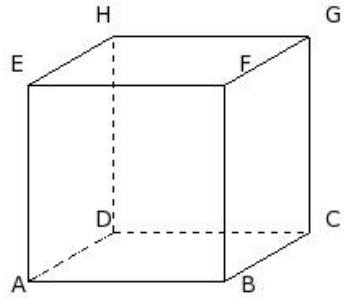
(i) 9.00 cm (ii) 8.00 cm (iii) 6.00 cm (iv) 7.00 cm (v) 5.00 cm

37. If the T.S.A of a cube is 216.00 sq.cm, its L.S.A is



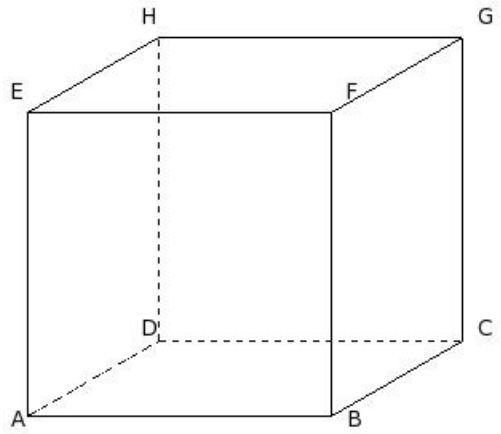
(i) 160.00 sq.cm (ii) 144.00 sq.cm (iii) 172.00 sq.cm (iv) 122.00 sq.cm (v) 131.00 sq.cm

38. If the T.S.A of a cube is 864.00 sq.cm, its volume is



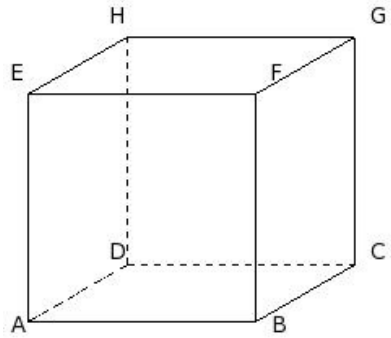
(i) 1698.00 cu.cm (ii) 1868.00 cu.cm (iii) 1748.00 cu.cm (iv) 1548.00 cu.cm (v) 1728.00 cu.cm

39. If the volume of a cube is 6859.00 cu.cm, its side is



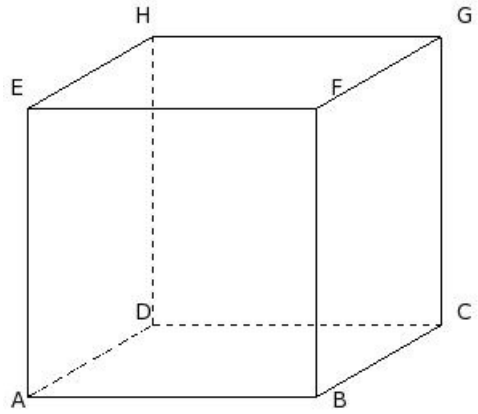
(i) 16.00 cm (ii) 24.00 cm (iii) 22.00 cm (iv) 19.00 cm (v) 14.00 cm

40. If the volume of a cube is 2744.00 cu.cm, its L.S.A is



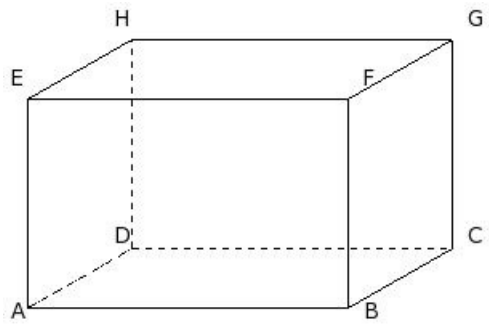
(i) 784.00 sq.cm (ii) 780.00 sq.cm (iii) 771.00 sq.cm (iv) 799.00 sq.cm (v) 792.00 sq.cm

41. If the volume of a cube is 5832.00 cu.cm, its T.S.A is



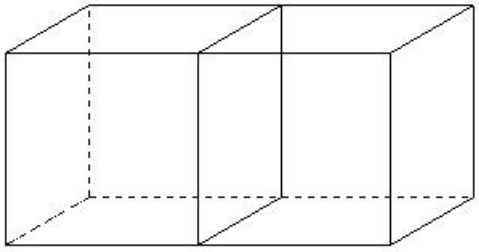
(i) 2094.00 sq.cm (ii) 1944.00 sq.cm (iii) 1724.00 sq.cm (iv) 1874.00 sq.cm (v) 2104.00 sq.cm

42. If the length, height and T.S.A of a cuboid are 20.00 cm, 13.00 cm and 1510.00 sq.cm respectively, its volume is



(i) 3680.00 cu.cm (ii) 4050.00 cu.cm (iii) 3900.00 cu.cm (iv) 4070.00 cu.cm (v) 3840.00 cu.cm

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



(i) 1440.00 sq.cm (ii) 1560.00 sq.cm (iii) 1290.00 sq.cm (iv) 1570.00 sq.cm (v) 1400.00 sq.cm

44. Water in a canal, 15 m wide and 5 m deep is flowing with a speed of 14 kmph . How much area will it irrigate in 30 min, if 5 cm of standing water is needed ?

(i) 12800000.00 sq.m (ii) 10500000.00 sq.m (iii) 8300000.00 sq.m (iv) 8800000.00 sq.m

(v) 10700000.00 sq.m

Assignment Key

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