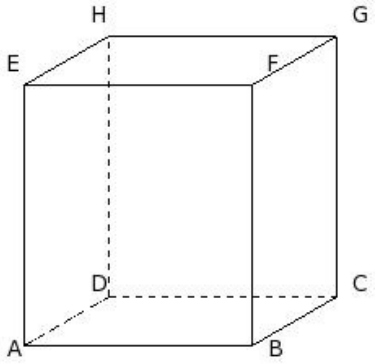
EduSahara™ Assignment

Name : Cube and Cuboid

Chapter : Volume and Surface Area of Solids

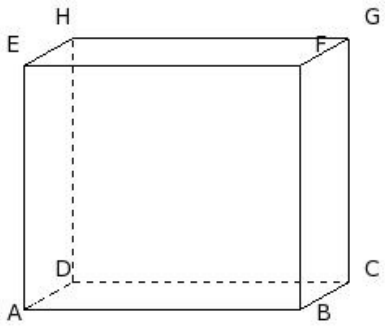
Grade : ICSE Grade IX

1. If the length, breadth and height of a cuboid are 14.00 cm, 12.00 cm and 16.00 cm respectively, its L.S.A is



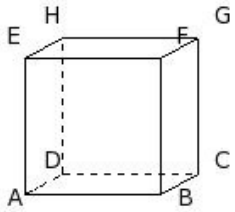
(i) 837.00 sq.cm (ii) 825.00 sq.cm (iii) 832.00 sq.cm (iv) 850.00 sq.cm (v) 816.00 sq.cm

2. If the length, breadth and height of a cuboid are 17.00 cm, 7.00 cm and 15.00 cm respectively, its T.S.A is



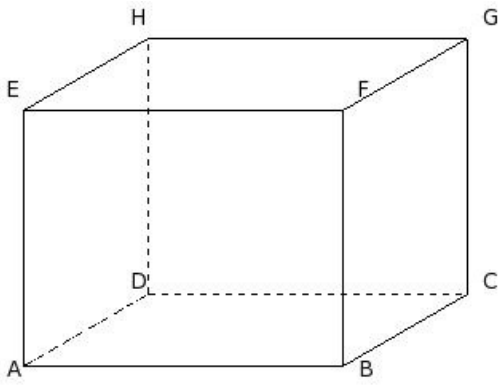
(i) 975.00 sq.cm (ii) 946.00 sq.cm (iii) 958.00 sq.cm (iv) 942.00 sq.cm

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



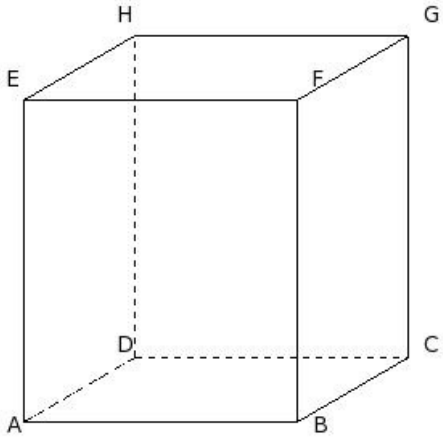
(i) 296.00 cu.cm (ii) 320.00 cu.cm (iii) 304.00 cu.cm (iv) 325.00 cu.cm (v) 338.00 cu.cm

4. If the length, breadth and L.S.A of a cuboid are 20.00 cm, 18.00 cm and 1216.00 sq.cm respectively, its height is



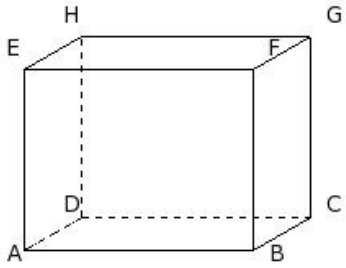
(i) 11.00 cm (ii) 21.00 cm (iii) 16.00 cm (iv) 13.00 cm (v) 19.00 cm

5. If the length, breadth and L.S.A of a cuboid are 17.00 cm, 16.00 cm and 1320.00 sq.cm respectively, its T.S.A is



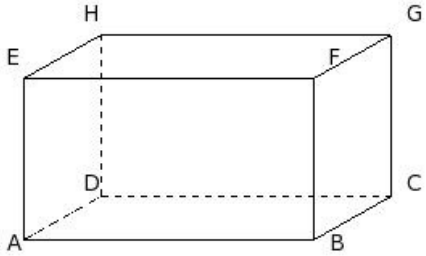
(i) 1984.00 sq.cm (ii) 1694.00 sq.cm (iii) 1704.00 sq.cm (iv) 2024.00 sq.cm (v) 1864.00 sq.cm

6. If the length, breadth and L.S.A of a cuboid are 14.00 cm, 8.00 cm and 484.00 sq.cm respectively, its volume is



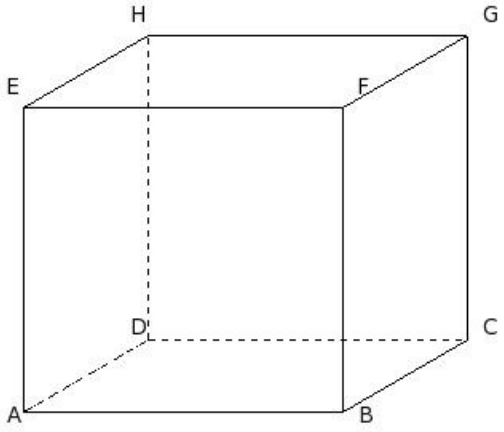
(i) 1312.00 cu.cm (ii) 1212.00 cu.cm (iii) 1232.00 cu.cm (iv) 1092.00 cu.cm (v) 1392.00 cu.cm

7. If the length, breadth and T.S.A of a cuboid are 18.00 cm, 11.00 cm and 976.00 sq.cm respectively, its height is



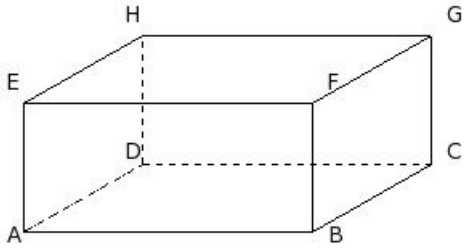
(i) 5.00 cm (ii) 10.00 cm (iii) 7.00 cm (iv) 15.00 cm (v) 13.00 cm

8. If the length, breadth and T.S.A of a cuboid are 20.00 cm, 18.00 cm and 2164.00 sq.cm respectively, its L.S.A is



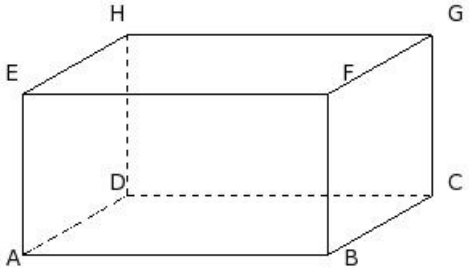
(i) 1364.00 sq.cm (ii) 1684.00 sq.cm (iii) 1314.00 sq.cm (iv) 1444.00 sq.cm (v) 1514.00 sq.cm

9. If the length, breadth and T.S.A of a cuboid are 18.00 cm, 17.00 cm and 1172.00 sq.cm respectively, its volume is



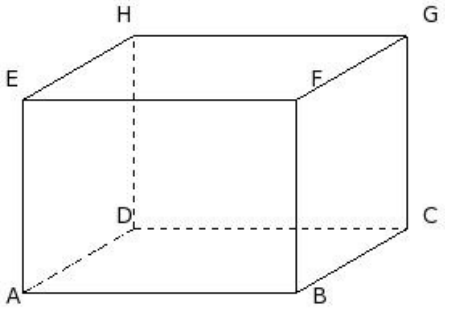
(i) 2628.00 cu.cm (ii) 2378.00 cu.cm (iii) 2588.00 cu.cm (iv) 2448.00 cu.cm (v) 2318.00 cu.cm

10. If the length, breadth and volume of a cuboid are 19.00 cm, 15.00 cm and 2850.00 cu.cm respectively, its height is



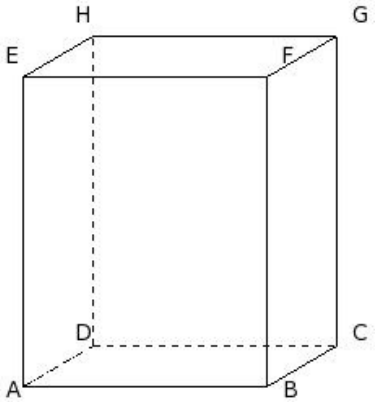
(i) 5.00 cm (ii) 10.00 cm (iii) 7.00 cm (iv) 15.00 cm (v) 13.00 cm

11. If the length, breadth and volume of a cuboid are 17.00 cm, 16.00 cm and 3264.00 cu.cm respectively, its L.S.A is



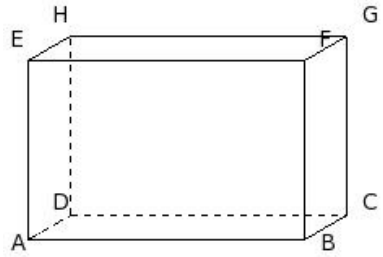
(i) 797.00 sq.cm (ii) 775.00 sq.cm (iii) 804.00 sq.cm (iv) 792.00 sq.cm

12. If the length, breadth and volume of a cuboid are 15.00 cm, 10.00 cm and 2850.00 cu.cm respectively, its T.S.A is



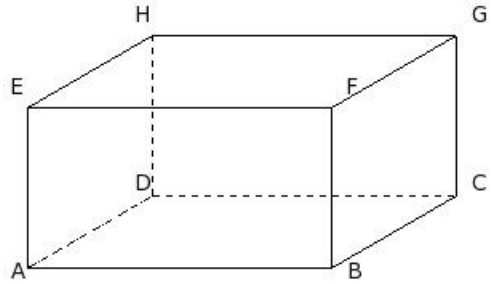
(i) 1070.00 sq.cm (ii) 1180.00 sq.cm (iii) 1400.00 sq.cm (iv) 1250.00 sq.cm (v) 1390.00 sq.cm

13. If the length, height and L.S.A of a cuboid are 17.00 cm, 11.00 cm and 506.00 sq.cm respectively, its breadth is



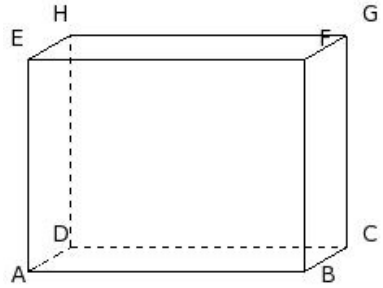
(i) 5.00 cm (ii) 4.00 cm (iii) 7.00 cm (iv) 8.00 cm (v) 6.00 cm

14. If the length, height and L.S.A of a cuboid are 19.00 cm, 10.00 cm and 740.00 sq.cm respectively, its T.S.A is



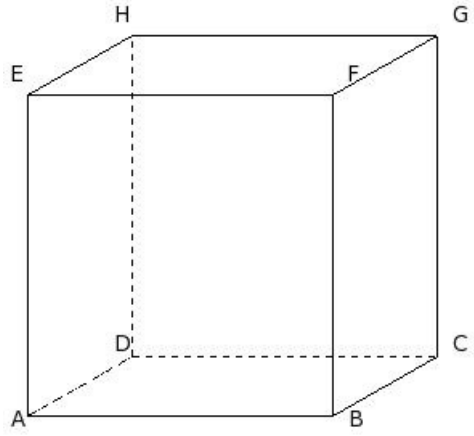
(i) 1704.00 sq.cm (ii) 1424.00 sq.cm (iii) 1494.00 sq.cm (iv) 1204.00 sq.cm (v) 1274.00 sq.cm

15. If the length, height and L.S.A of a cuboid are 17.00 cm, 13.00 cm and 598.00 sq.cm respectively, its volume is



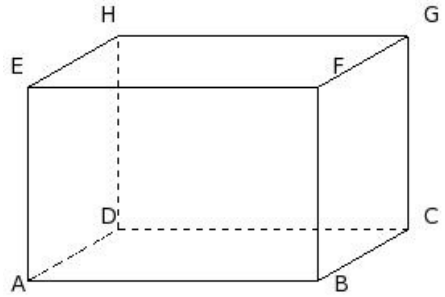
(i) 1266.00 cu.cm (ii) 1376.00 cu.cm (iii) 1066.00 cu.cm (iv) 1496.00 cu.cm (v) 1326.00 cu.cm

16. If the length, height and T.S.A of a cuboid are 19.00 cm, 20.00 cm and 1930.00 sq.cm respectively, its breadth is



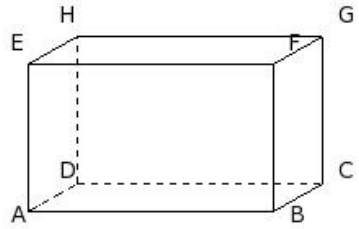
(i) 18.00 cm (ii) 15.00 cm (iii) 20.00 cm (iv) 10.00 cm (v) 12.00 cm

17. If the length, height and T.S.A of a cuboid are 18.00 cm, 12.00 cm and 1212.00 sq.cm respectively, its L.S.A is



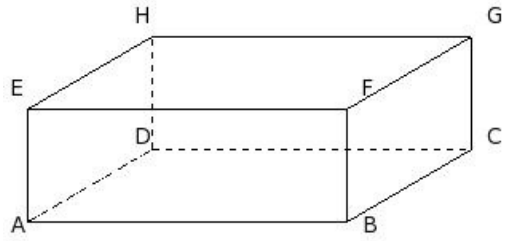
(i) 759.00 sq.cm (ii) 741.00 sq.cm (iii) 760.00 sq.cm (iv) 720.00 sq.cm (v) 744.00 sq.cm

18. If the length, height and volume of a cuboid are 15.00 cm, 9.00 cm and 945.00 cu.cm respectively, its breadth is



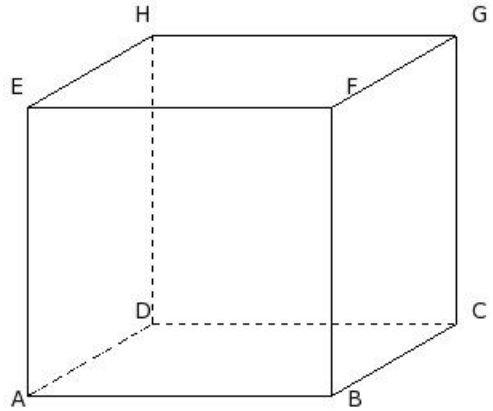
(i) 7.00 cm (ii) 5.00 cm (iii) 8.00 cm (iv) 9.00 cm (v) 6.00 cm

19. If the length, height and volume of a cuboid are 20.00 cm, 7.00 cm and 2520.00 cu.cm respectively, its L.S.A is



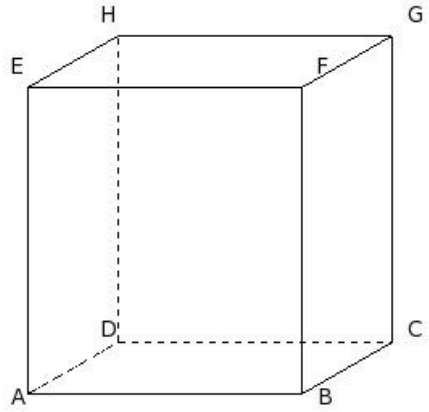
(i) 519.00 sq.cm (ii) 537.00 sq.cm (iii) 550.00 sq.cm (iv) 514.00 sq.cm (v) 532.00 sq.cm

20. If the length, height and volume of a cuboid are 19.00 cm, 18.00 cm and 6156.00 cu.cm respectively, its T.S.A is



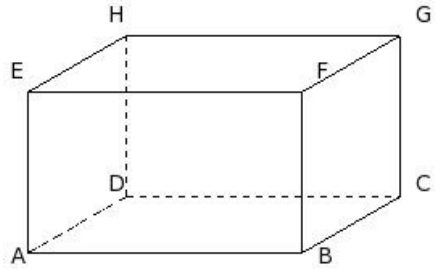
(i) 1896.00 sq.cm (ii) 1866.00 sq.cm (iii) 2016.00 sq.cm (iv) 2086.00 sq.cm (v) 2176.00 sq.cm

21. If the breadth, height and L.S.A of a cuboid are 13.00 cm, 19.00 cm and 1140.00 sq.cm respectively, its length is



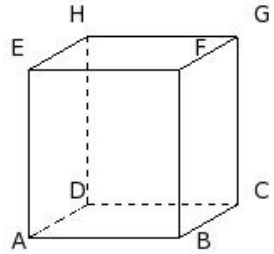
(i) 12.00 cm (ii) 20.00 cm (iii) 17.00 cm (iv) 22.00 cm (v) 14.00 cm

22. If the breadth, height and L.S.A of a cuboid are 14.00 cm, 10.00 cm and 620.00 sq.cm respectively, its T.S.A is



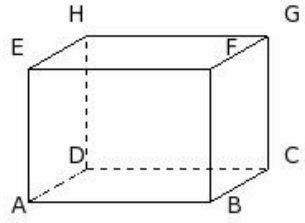
(i) 1356.00 sq.cm (ii) 1036.00 sq.cm (iii) 1096.00 sq.cm (iv) 926.00 sq.cm (v) 1216.00 sq.cm

23. If the breadth, height and L.S.A of a cuboid are 8.00 cm, 10.00 cm and 340.00 sq.cm respectively, its volume is



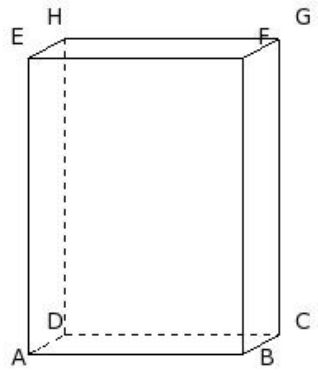
(i) 720.00 cu.cm (ii) 704.00 cu.cm (iii) 696.00 cu.cm (iv) 737.00 cu.cm (v) 725.00 cu.cm

24. If the breadth, height and T.S.A of a cuboid are 8.00 cm, 8.00 cm and 480.00 sq.cm respectively, its length is



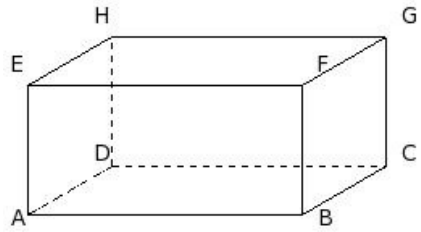
(i) 6.00 cm (ii) 8.00 cm (iii) 11.00 cm (iv) 16.00 cm (v) 14.00 cm

25. If the breadth, height and T.S.A of a cuboid are 5.00 cm, 18.00 cm and 778.00 sq.cm respectively, its L.S.A is



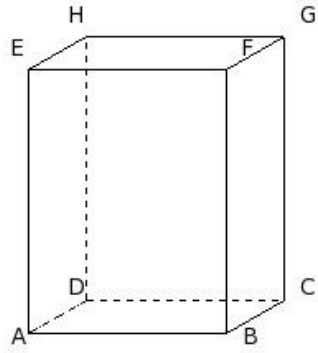
(i) 633.00 sq.cm (ii) 651.00 sq.cm (iii) 642.00 sq.cm (iv) 662.00 sq.cm (v) 648.00 sq.cm

26. If the breadth, height and T.S.A of a cuboid are 12.00 cm, 8.00 cm and 872.00 sq.cm respectively, its volume is



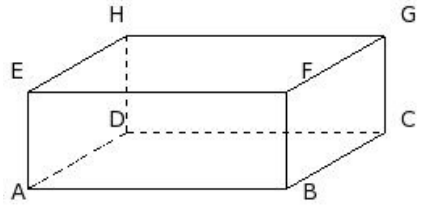
(i) 1492.00 cu.cm (ii) 1702.00 cu.cm (iii) 1752.00 cu.cm (iv) 1482.00 cu.cm (v) 1632.00 cu.cm

27. If the breadth, height and volume of a cuboid are 8.00 cm, 16.00 cm and 1536.00 cu.cm respectively, its length is



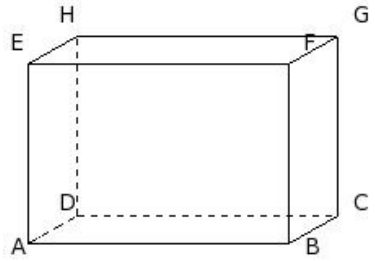
(i) 9.00 cm (ii) 17.00 cm (iii) 12.00 cm (iv) 15.00 cm (v) 7.00 cm

28. If the breadth, height and volume of a cuboid are 14.00 cm, 6.00 cm and 1344.00 cu.cm respectively, its L.S.A is



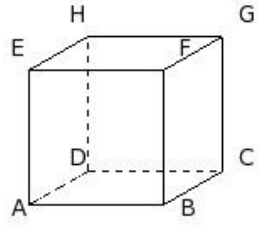
(i) 360.00 sq.cm (ii) 355.00 sq.cm (iii) 373.00 sq.cm (iv) 378.00 sq.cm (v) 333.00 sq.cm

29. If the breadth, height and volume of a cuboid are 7.00 cm, 11.00 cm and 1232.00 cu.cm respectively, its T.S.A is



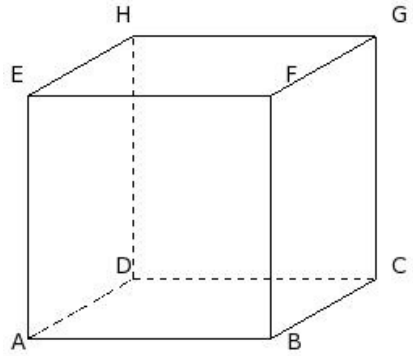
(i) 756.00 sq.cm (ii) 703.00 sq.cm (iii) 736.00 sq.cm (iv) 722.00 sq.cm (v) 730.00 sq.cm

30. If the side of a cube is 8.00 cm, its L.S.A is



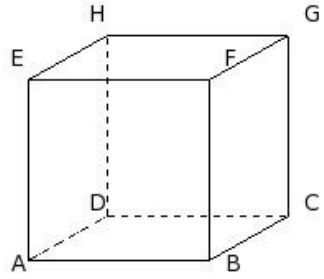
(i) 270.00 sq.cm (ii) 256.00 sq.cm (iii) 238.00 sq.cm (iv) 273.00 sq.cm (v) 230.00 sq.cm

31. If the side of a cube is 15.00 cm, its T.S.A is



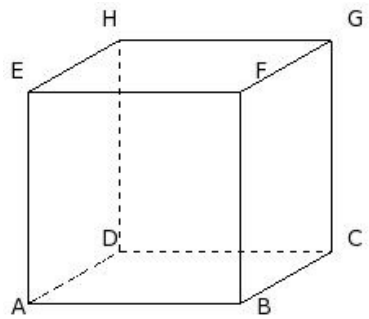
(i) 1510.00 sq.cm (ii) 1350.00 sq.cm (iii) 1110.00 sq.cm (iv) 1630.00 sq.cm (v) 1270.00 sq.cm

32. If the side of a cube is 11.00 cm, its volume is



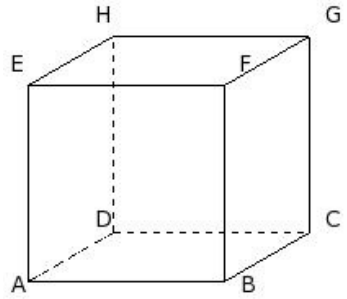
(i) 1571.00 cu.cm (ii) 1491.00 cu.cm (iii) 1331.00 cu.cm (iv) 1081.00 cu.cm (v) 1311.00 cu.cm

33. If the L.S.A of a cube is 676.00 sq.cm, its side is



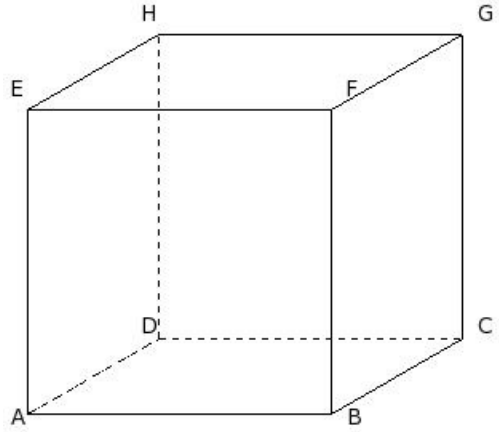
(i) 8.00 cm (ii) 18.00 cm (iii) 13.00 cm (iv) 10.00 cm (v) 16.00 cm

34. If the L.S.A of a cube is 576.00 sq.cm, its T.S.A is



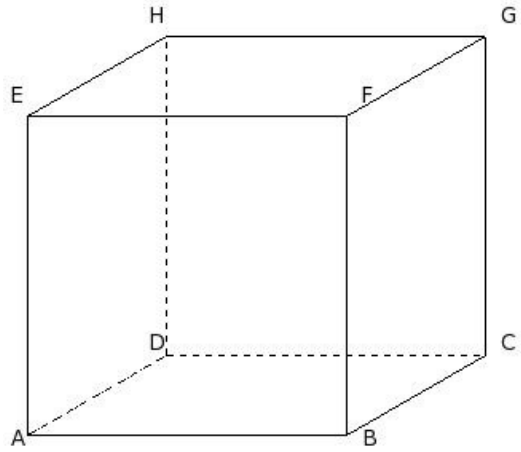
(i) 877.00 sq.cm (ii) 866.00 sq.cm (iii) 857.00 sq.cm (iv) 848.00 sq.cm (v) 864.00 sq.cm

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



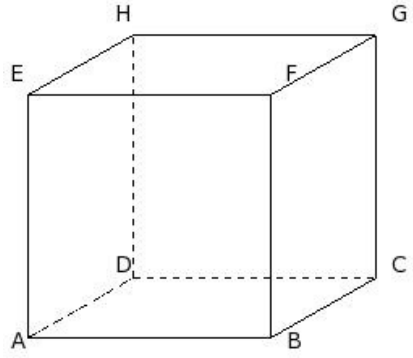
(i) 6859.00 cu.cm (ii) 6709.00 cu.cm (iii) 6689.00 cu.cm (iv) 6919.00 cu.cm (v) 7129.00 cu.cm

36. If the T.S.A of a cube is 2400.00 sq.cm, its side is



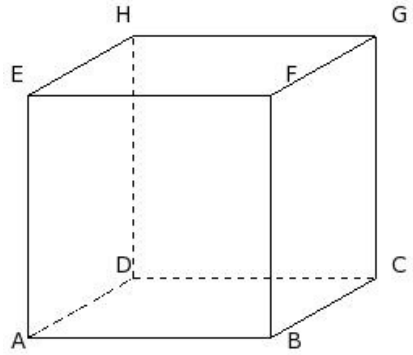
(i) 15.00 cm (ii) 25.00 cm (iii) 23.00 cm (iv) 17.00 cm (v) 20.00 cm

37. If the T.S.A of a cube is 1350.00 sq.cm, its L.S.A is



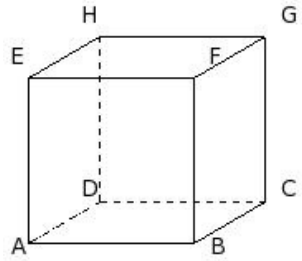
(i) 900.00 sq.cm (ii) 885.00 sq.cm (iii) 928.00 sq.cm (iv) 888.00 sq.cm (v) 916.00 sq.cm

38. If the T.S.A of a cube is 1350.00 sq.cm, its volume is



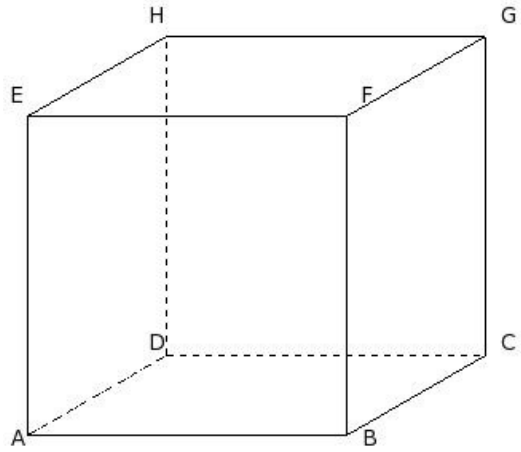
(i) 3435.00 cu.cm (ii) 3655.00 cu.cm (iii) 3205.00 cu.cm (iv) 3225.00 cu.cm (v) 3375.00 cu.cm

39. If the volume of a cube is 1000.00 cu.cm, its side is



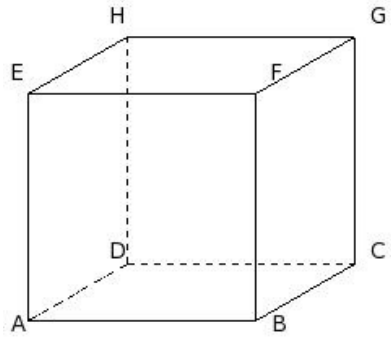
(i) 15.00 cm (ii) 7.00 cm (iii) 5.00 cm (iv) 13.00 cm (v) 10.00 cm

40. If the volume of a cube is 8000.00 cu.cm, its L.S.A is



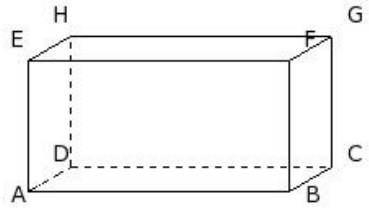
(i) 1430.00 sq.cm (ii) 1740.00 sq.cm (iii) 1600.00 sq.cm (iv) 1520.00 sq.cm (v) 1720.00 sq.cm

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



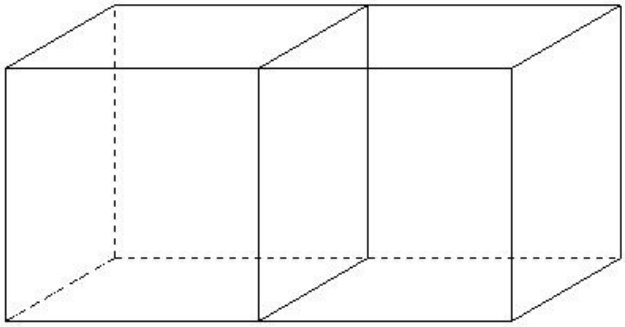
(i) 1176.00 sq.cm (ii) 1306.00 sq.cm (iii) 1236.00 sq.cm (iv) 1026.00 sq.cm (v) 956.00 sq.cm

42. If the length, height and T.S.A of a cuboid are 16.00 cm, 8.00 cm and 544.00 sq.cm respectively, its volume is



(i) 755.00 cu.cm (ii) 790.00 cu.cm (iii) 768.00 cu.cm (iv) 784.00 cu.cm (v) 761.00 cu.cm

43. Two cubes each of volume 4096.00 cu.cm are joined end to end . Find the surface area of the resulting cuboid.



(i) 2560.00 sq.cm (ii) 2790.00 sq.cm (iii) 2610.00 sq.cm (iv) 2480.00 sq.cm (v) 2430.00 sq.cm

44. Water in a canal, 8 m wide and 2 m deep is flowing with a speed of 19 kmph . How much area will it irrigate in 40 min, if 9 cm of standing water is needed ?

(i) 2221851.85 sq.m (ii) 2531851.85 sq.m (iii) 2091851.85 sq.m (iv) 2251851.85 sq.m

(v) 2301851.85 sq.m

Assignment Key

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