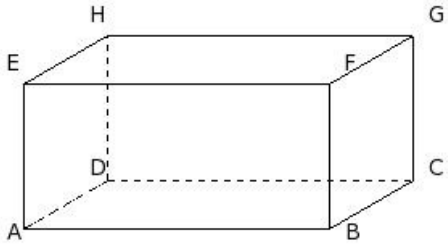
EduSahara™ Assignment

Name : Cube and Cuboid

Chapter : Volume and Surface Area of Solids

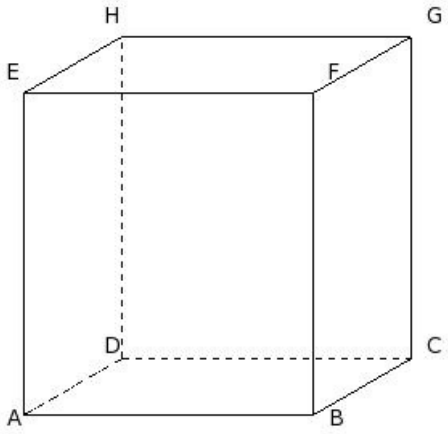
Grade : ICSE Grade IX

1. If the length, breadth and height of a cuboid are 19.00 cm, 12.00 cm and 9.00 cm respectively, its L.S.A is



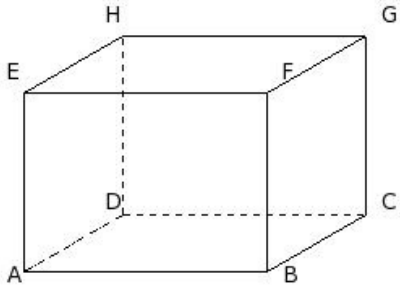
(i) 571.00 sq.cm (ii) 576.00 sq.cm (iii) 558.00 sq.cm (iv) 540.00 sq.cm (v) 554.00 sq.cm

2. If the length, breadth and height of a cuboid are 18.00 cm, 14.00 cm and 20.00 cm respectively, its T.S.A is



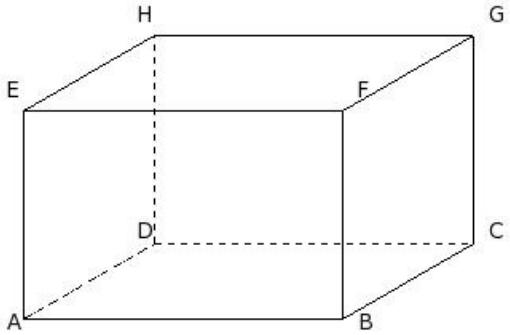
(i) 1634.00 sq.cm (ii) 1854.00 sq.cm (iii) 1784.00 sq.cm (iv) 1524.00 sq.cm (v) 2024.00 sq.cm

3. If the length, breadth and height of a cuboid are 15.00 cm, 14.00 cm and 11.00 cm respectively, its volume is



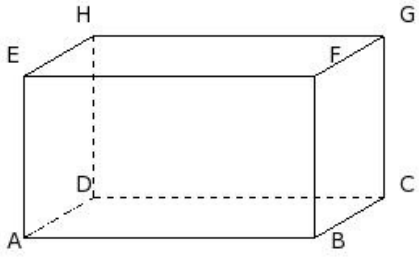
(i) 2310.00 cu.cm (ii) 2470.00 cu.cm (iii) 2430.00 cu.cm (iv) 2240.00 cu.cm (v) 2180.00 cu.cm

4. If the length, breadth and L.S.A of a cuboid are 20.00 cm, 19.00 cm and 1014.00 sq.cm respectively, its height is



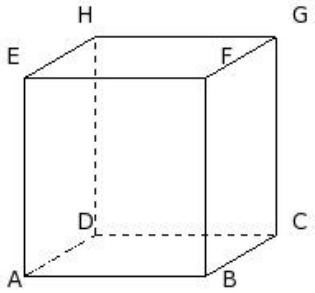
(i) 10.00 cm (ii) 8.00 cm (iii) 13.00 cm (iv) 18.00 cm (v) 16.00 cm

5. If the length, breadth and L.S.A of a cuboid are 18.00 cm, 10.00 cm and 560.00 sq.cm respectively, its T.S.A is



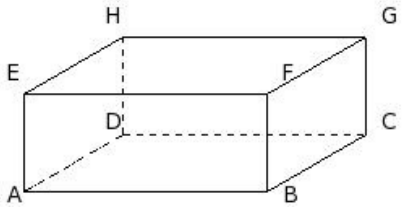
(i) 920.00 sq.cm (ii) 942.00 sq.cm (iii) 922.00 sq.cm (iv) 906.00 sq.cm (v) 894.00 sq.cm

6. If the length, breadth and L.S.A of a cuboid are 11.00 cm, 10.00 cm and 504.00 sq.cm respectively, its volume is



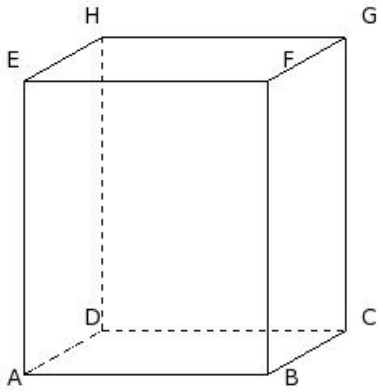
(i) 1100.00 cu.cm (ii) 1370.00 cu.cm (iii) 1320.00 cu.cm (iv) 1290.00 cu.cm (v) 1580.00 cu.cm

7. If the length, breadth and T.S.A of a cuboid are 15.00 cm, 14.00 cm and 768.00 sq.cm respectively, its height is



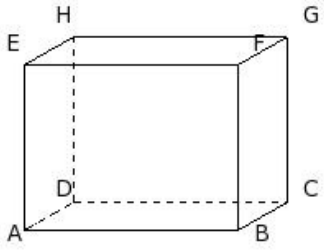
(i) 4.00 cm (ii) 6.00 cm (iii) 8.00 cm (iv) 7.00 cm (v) 5.00 cm

8. If the length, breadth and T.S.A of a cuboid are 15.00 cm, 11.00 cm and 1266.00 sq.cm respectively, its L.S.A is



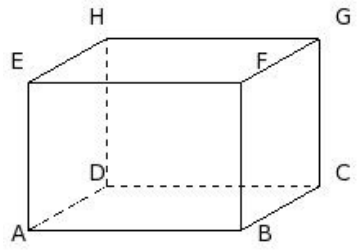
(i) 910.00 sq.cm (ii) 936.00 sq.cm (iii) 961.00 sq.cm (iv) 938.00 sq.cm (v) 929.00 sq.cm

9. If the length, breadth and T.S.A of a cuboid are 13.00 cm, 7.00 cm and 582.00 sq.cm respectively, its volume is



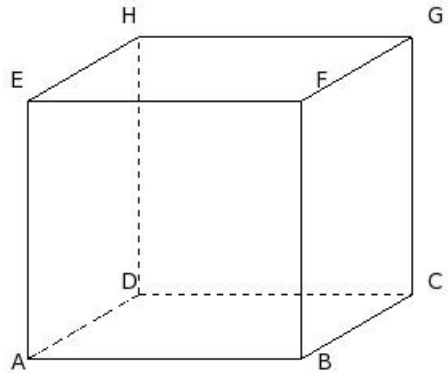
(i) 928.00 cu.cm (ii) 897.00 cu.cm (iii) 895.00 cu.cm (iv) 912.00 cu.cm (v) 910.00 cu.cm

10. If the length, breadth and volume of a cuboid are 13.00 cm, 11.00 cm and 1287.00 cu.cm respectively, its height is



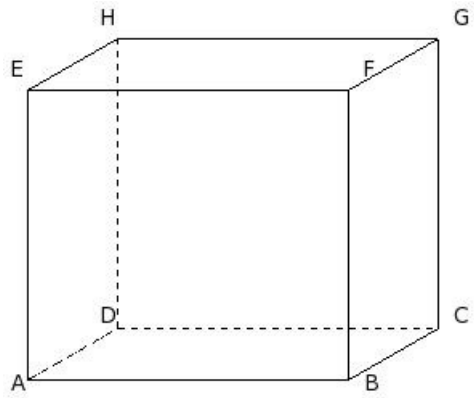
(i) 11.00 cm (ii) 7.00 cm (iii) 10.00 cm (iv) 8.00 cm (v) 9.00 cm

11. If the length, breadth and volume of a cuboid are 17.00 cm, 16.00 cm and 4352.00 cu.cm respectively, its L.S.A is



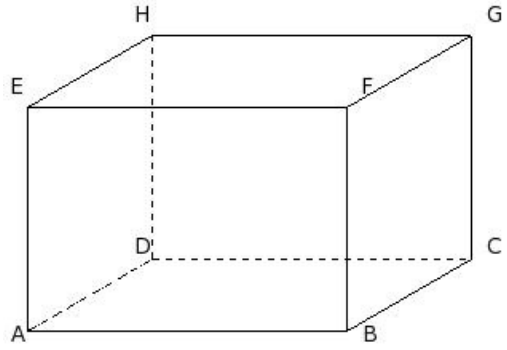
(i) 1056.00 sq.cm (ii) 1196.00 sq.cm (iii) 776.00 sq.cm (iv) 1026.00 sq.cm (v) 1106.00 sq.cm

12. If the length, breadth and volume of a cuboid are 20.00 cm, 13.00 cm and 4680.00 cu.cm respectively, its T.S.A is



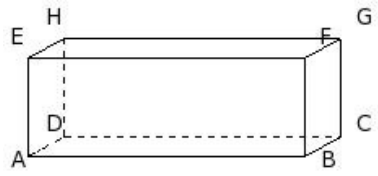
(i) 1488.00 sq.cm (ii) 1858.00 sq.cm (iii) 1968.00 sq.cm (iv) 1648.00 sq.cm (v) 1708.00 sq.cm

13. If the length, height and L.S.A of a cuboid are 20.00 cm, 14.00 cm and 1064.00 sq.cm respectively, its breadth is



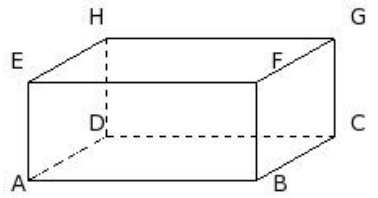
(i) 23.00 cm (ii) 15.00 cm (iii) 18.00 cm (iv) 21.00 cm (v) 13.00 cm

14. If the length, height and L.S.A of a cuboid are 17.00 cm, 6.00 cm and 264.00 sq.cm respectively, its T.S.A is



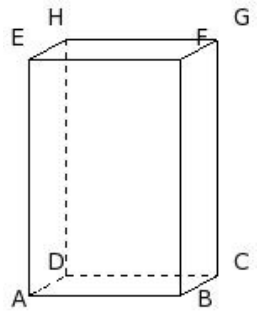
(i) 434.00 sq.cm (ii) 412.00 sq.cm (iii) 457.00 sq.cm (iv) 438.00 sq.cm (v) 416.00 sq.cm

15. If the length, height and L.S.A of a cuboid are 14.00 cm, 6.00 cm and 300.00 sq.cm respectively, its volume is



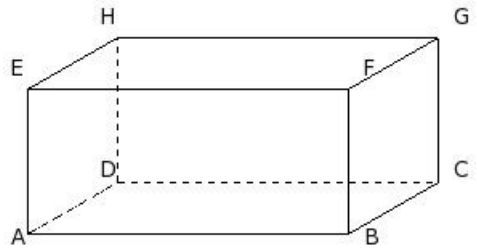
(i) 909.00 cu.cm (ii) 926.00 cu.cm (iii) 912.00 cu.cm (iv) 938.00 cu.cm (v) 924.00 cu.cm

16. If the length, height and T.S.A of a cuboid are 9.00 cm, 14.00 cm and 482.00 sq.cm respectively, its breadth is



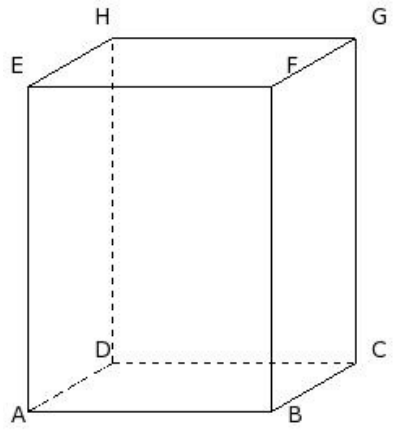
(i) 3.00 cm (ii) 6.00 cm (iii) 4.00 cm (iv) 5.00 cm (v) 7.00 cm

17. If the length, height and T.S.A of a cuboid are 20.00 cm, 9.00 cm and 1114.00 sq.cm respectively, its L.S.A is



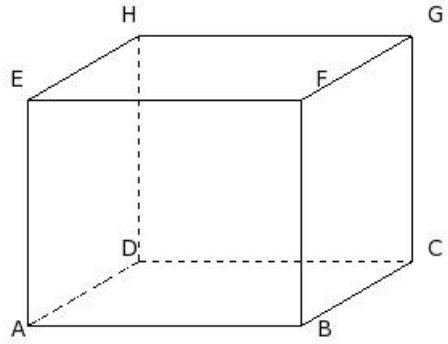
(i) 588.00 sq.cm (ii) 606.00 sq.cm (iii) 611.00 sq.cm (iv) 569.00 sq.cm (v) 594.00 sq.cm

18. If the length, height and volume of a cuboid are 15.00 cm, 20.00 cm and 3600.00 cu.cm respectively, its breadth is



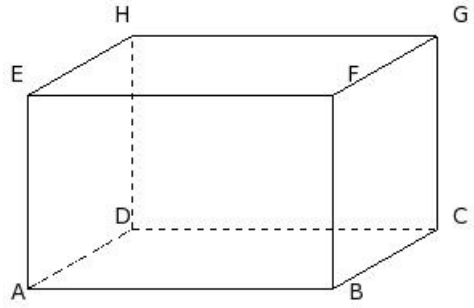
(i) 12.00 cm (ii) 7.00 cm (iii) 9.00 cm (iv) 17.00 cm (v) 15.00 cm

19. If the length, height and volume of a cuboid are 17.00 cm, 14.00 cm and 3808.00 cu.cm respectively, its L.S.A is



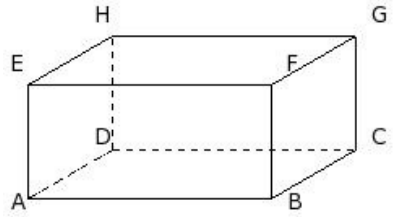
(i) 939.00 sq.cm (ii) 910.00 sq.cm (iii) 922.00 sq.cm (iv) 940.00 sq.cm (v) 924.00 sq.cm

20. If the length, height and volume of a cuboid are 19.00 cm, 12.00 cm and 3420.00 cu.cm respectively, its T.S.A is



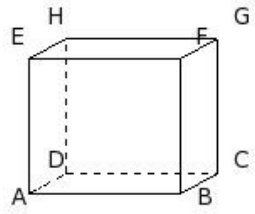
(i) 1506.00 sq.cm (ii) 1386.00 sq.cm (iii) 1246.00 sq.cm (iv) 1216.00 sq.cm

21. If the breadth, height and L.S.A of a cuboid are 12.00 cm, 7.00 cm and 378.00 sq.cm respectively, its length is



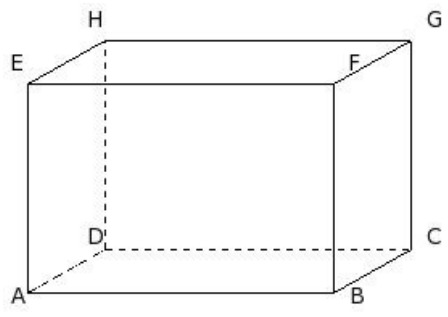
(i) 18.00 cm (ii) 20.00 cm (iii) 15.00 cm (iv) 12.00 cm (v) 10.00 cm

22. If the breadth, height and L.S.A of a cuboid are 5.00 cm, 8.00 cm and 224.00 sq.cm respectively, its T.S.A is



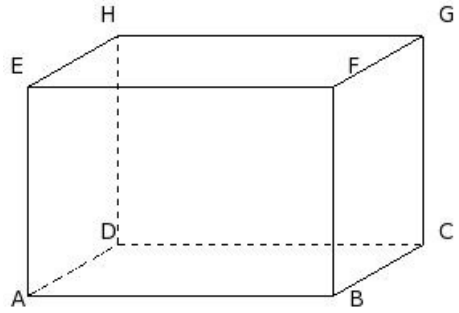
(i) 298.00 sq.cm (ii) 314.00 sq.cm (iii) 286.00 sq.cm (iv) 339.00 sq.cm (v) 327.00 sq.cm

23. If the breadth, height and L.S.A of a cuboid are 11.00 cm, 13.00 cm and 780.00 sq.cm respectively, its volume is



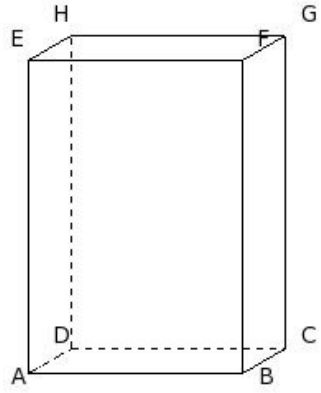
(i) 2717.00 cu.cm (ii) 2747.00 cu.cm (iii) 2697.00 cu.cm (iv) 2967.00 cu.cm (v) 2497.00 cu.cm

24. If the breadth, height and T.S.A of a cuboid are 13.00 cm, 13.00 cm and 1326.00 sq.cm respectively, its length is



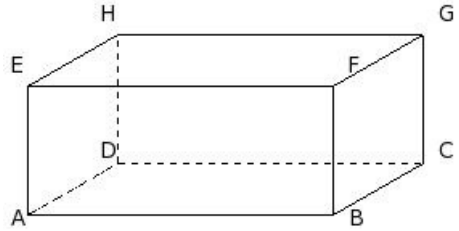
(i) 16.00 cm (ii) 19.00 cm (iii) 24.00 cm (iv) 14.00 cm (v) 22.00 cm

25. If the breadth, height and T.S.A of a cuboid are 6.00 cm, 19.00 cm and 878.00 sq.cm respectively, its L.S.A is



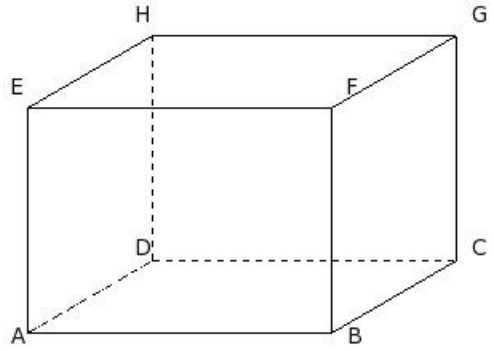
(i) 722.00 sq.cm (ii) 747.00 sq.cm (iii) 716.00 sq.cm (iv) 739.00 sq.cm (v) 705.00 sq.cm

26. If the breadth, height and T.S.A of a cuboid are 13.00 cm, 8.00 cm and 1006.00 sq.cm respectively, its volume is



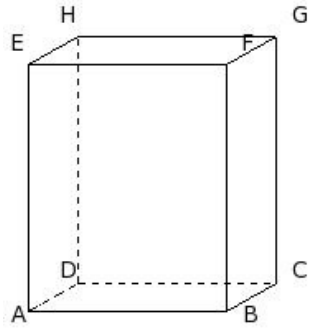
(i) 1976.00 cu.cm (ii) 2056.00 cu.cm (iii) 2126.00 cu.cm (iv) 1706.00 cu.cm (v) 1956.00 cu.cm

27. If the breadth, height and volume of a cuboid are 18.00 cm, 14.00 cm and 4788.00 cu.cm respectively, its length is



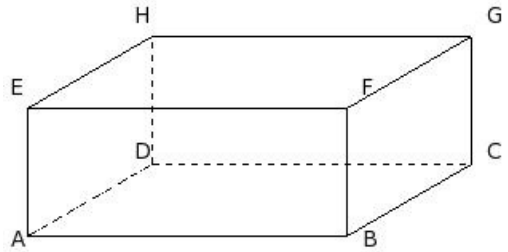
(i) 16.00 cm (ii) 24.00 cm (iii) 19.00 cm (iv) 14.00 cm (v) 22.00 cm

28. If the breadth, height and volume of a cuboid are 7.00 cm, 15.00 cm and 1260.00 cu.cm respectively, its L.S.A is



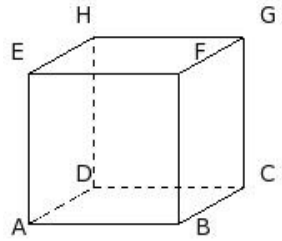
(i) 570.00 sq.cm (ii) 573.00 sq.cm (iii) 558.00 sq.cm (iv) 547.00 sq.cm (v) 594.00 sq.cm

29. If the breadth, height and volume of a cuboid are 18.00 cm, 8.00 cm and 2880.00 cu.cm respectively, its T.S.A is



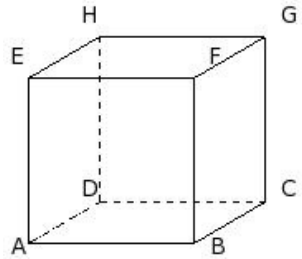
(i) 1278.00 sq.cm (ii) 1598.00 sq.cm (iii) 1208.00 sq.cm (iv) 1448.00 sq.cm (v) 1328.00 sq.cm

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



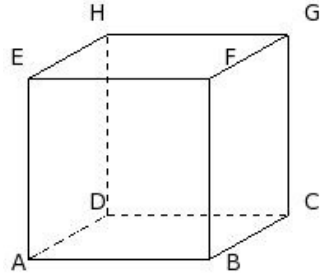
(i) 324.00 sq.cm (ii) 337.00 sq.cm (iii) 311.00 sq.cm (iv) 296.00 sq.cm (v) 329.00 sq.cm

31. If the side of a cube is 10.00 cm, its T.S.A is



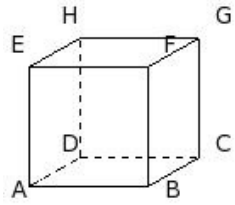
(i) 593.00 sq.cm (ii) 600.00 sq.cm (iii) 615.00 sq.cm (iv) 624.00 sq.cm (v) 578.00 sq.cm

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



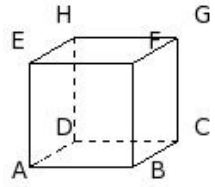
(i) 1391.00 cu.cm (ii) 1461.00 cu.cm (iii) 1331.00 cu.cm (iv) 1181.00 cu.cm (v) 1111.00 cu.cm

33. If the L.S.A of a cube is 196.00 sq.cm, its side is



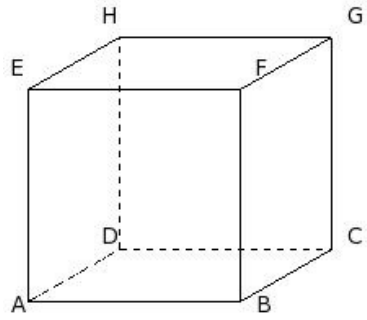
(i) 6.00 cm (ii) 5.00 cm (iii) 8.00 cm (iv) 7.00 cm (v) 9.00 cm

34. If the L.S.A of a cube is 144.00 sq.cm, its T.S.A is



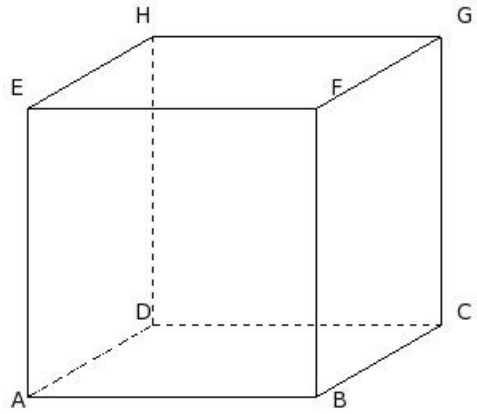
(i) 228.00 sq.cm (ii) 199.00 sq.cm (iii) 230.00 sq.cm (iv) 216.00 sq.cm (v) 191.00 sq.cm

35. If the L.S.A of a cube is 676.00 sq.cm, its volume is



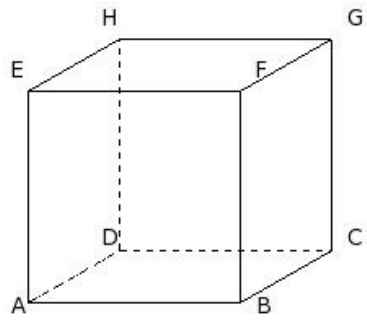
(i) 2197.00 cu.cm (ii) 2117.00 cu.cm (iii) 1967.00 cu.cm (iv) 2357.00 cu.cm (v) 2227.00 cu.cm

36. If the T.S.A of a cube is 1944.00 sq.cm, its side is



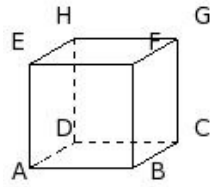
(i) 13.00 cm (ii) 23.00 cm (iii) 15.00 cm (iv) 21.00 cm (v) 18.00 cm

37. If the T.S.A of a cube is 1014.00 sq.cm, its L.S.A is



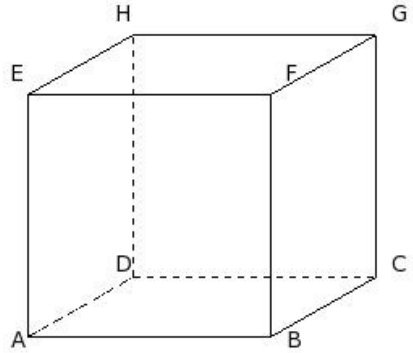
(i) 660.00 sq.cm (ii) 679.00 sq.cm (iii) 676.00 sq.cm (iv) 674.00 sq.cm (v) 699.00 sq.cm

38. If the T.S.A of a cube is 216.00 sq.cm, its volume is



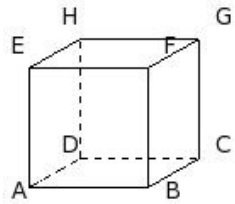
(i) 216.00 cu.cm (ii) 219.00 cu.cm (iii) 204.00 cu.cm (iv) 208.00 cu.cm (v) 242.00 cu.cm

39. If the volume of a cube is 3375.00 cu.cm, its side is



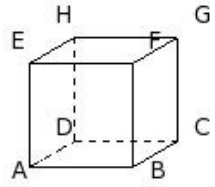
(i) 10.00 cm (ii) 18.00 cm (iii) 15.00 cm (iv) 20.00 cm (v) 12.00 cm

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



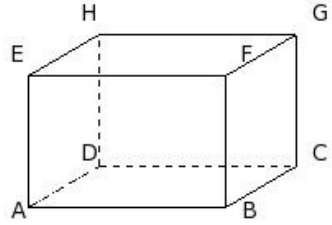
(i) 214.00 sq.cm (ii) 210.00 sq.cm (iii) 179.00 sq.cm (iv) 196.00 sq.cm (v) 181.00 sq.cm

41. If the volume of a cube is 216.00 cu.cm, its T.S.A is



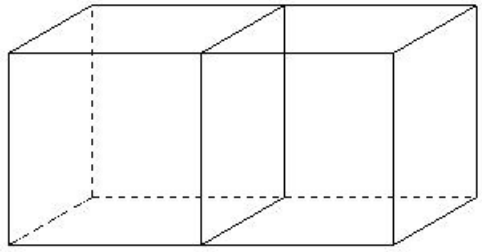
(i) 222.00 sq.cm (ii) 230.00 sq.cm (iii) 188.00 sq.cm (iv) 216.00 sq.cm (v) 203.00 sq.cm

42. If the length, height and T.S.A of a cuboid are 12.00 cm, 8.00 cm and 592.00 sq.cm respectively, its volume is



(i) 942.00 cu.cm (ii) 973.00 cu.cm (iii) 936.00 cu.cm (iv) 960.00 cu.cm (v) 986.00 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) 1560.00 sq.cm (ii) 1440.00 sq.cm (iii) 1290.00 sq.cm (iv) 1600.00 sq.cm (v) 1220.00 sq.cm

44. Water in a canal, 12 m wide and 2 m deep is flowing with a speed of 10 kmph . How much area will it irrigate in 5 min, if 6 cm of standing water is needed ?

(i) 347333.33 sq.m (ii) 311333.33 sq.m (iii) 316333.33 sq.m (iv) 333333.33 sq.m (v) 361333.33 sq.m

Assignment Key

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