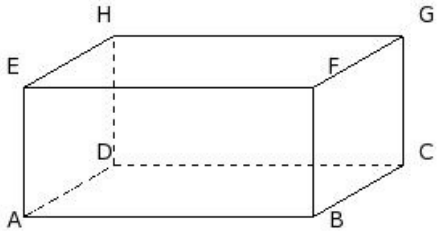
EduSahara™ Assignment

Name : Cube and Cuboid

Chapter : Volume and Surface Area of Solids

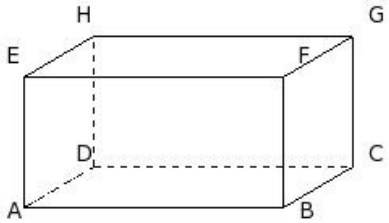
Grade : ICSE Grade IX

1. If the length, breadth and height of a cuboid are 18.00 cm, 13.00 cm and 8.00 cm respectively, its L.S.A is



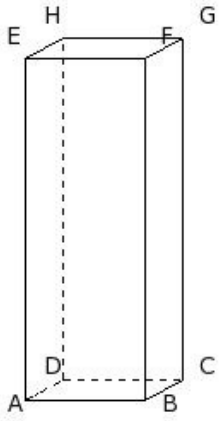
(i) 496.00 sq.cm (ii) 489.00 sq.cm (iii) 523.00 sq.cm (iv) 511.00 sq.cm (v) 484.00 sq.cm

2. If the length, breadth and height of a cuboid are 16.00 cm, 10.00 cm and 8.00 cm respectively, its T.S.A is



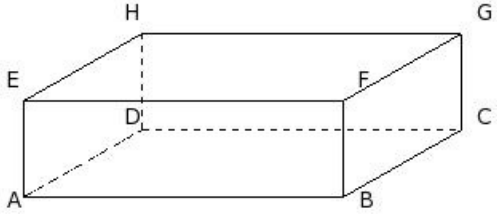
(i) 720.00 sq.cm (ii) 752.00 sq.cm (iii) 759.00 sq.cm (iv) 733.00 sq.cm (v) 736.00 sq.cm

3. If the length, breadth and height of a cuboid are 7.00 cm, 5.00 cm and 20.00 cm respectively, its volume is



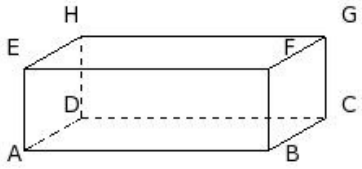
(i) 724.00 cu.cm (ii) 704.00 cu.cm (iii) 675.00 cu.cm (iv) 683.00 cu.cm (v) 700.00 cu.cm

4. If the length, breadth and L.S.A of a cuboid are 20.00 cm, 17.00 cm and 444.00 sq.cm respectively, its height is



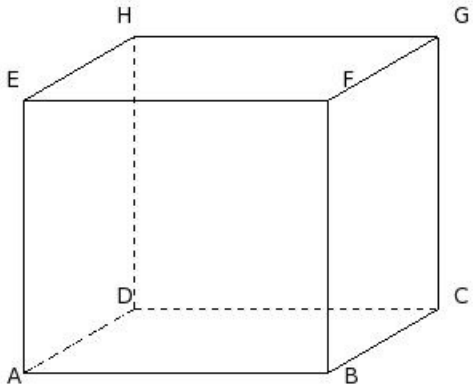
(i) 5.00 cm (ii) 4.00 cm (iii) 7.00 cm (iv) 8.00 cm (v) 6.00 cm

5. If the length, breadth and L.S.A of a cuboid are 15.00 cm, 8.00 cm and 230.00 sq.cm respectively, its T.S.A is



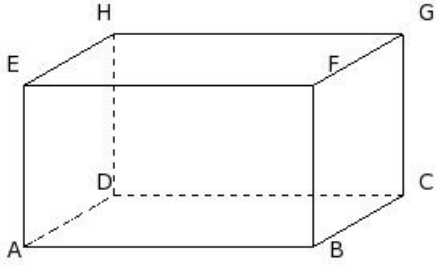
(i) 457.00 sq.cm (ii) 478.00 sq.cm (iii) 470.00 sq.cm (iv) 498.00 sq.cm (v) 445.00 sq.cm

6. If the length, breadth and L.S.A of a cuboid are 19.00 cm, 16.00 cm and 1190.00 sq.cm respectively, its volume is



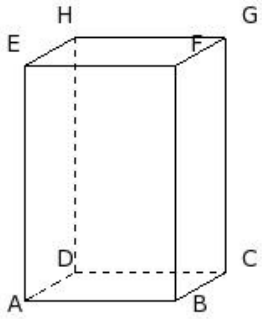
(i) 4988.00 cu.cm (ii) 5308.00 cu.cm (iii) 5418.00 cu.cm (iv) 5168.00 cu.cm (v) 5028.00 cu.cm

7. If the length, breadth and T.S.A of a cuboid are 18.00 cm, 13.00 cm and 1088.00 sq.cm respectively, its height is



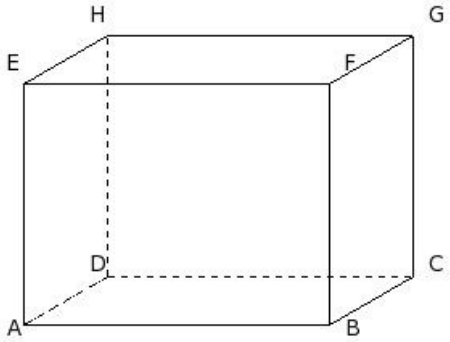
(i) 10.00 cm (ii) 13.00 cm (iii) 7.00 cm (iv) 15.00 cm (v) 5.00 cm

8. If the length, breadth and T.S.A of a cuboid are 9.00 cm, 7.00 cm and 574.00 sq.cm respectively, its L.S.A is



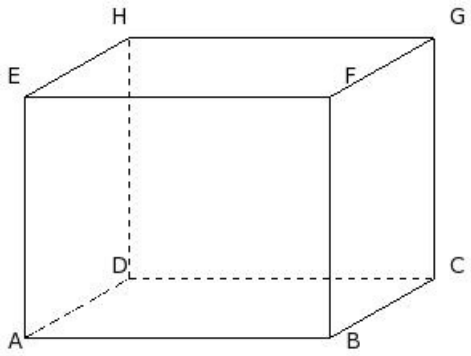
(i) 463.00 sq.cm (ii) 448.00 sq.cm (iii) 436.00 sq.cm (iv) 455.00 sq.cm (v) 420.00 sq.cm

9. If the length, breadth and T.S.A of a cuboid are 19.00 cm, 12.00 cm and 1386.00 sq.cm respectively, its volume is



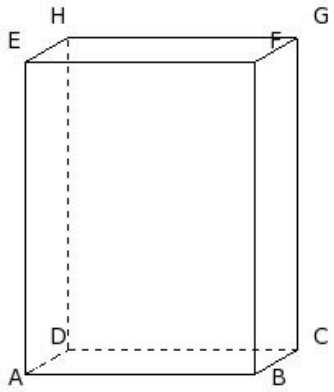
(i) 3700.00 cu.cm (ii) 3380.00 cu.cm (iii) 3420.00 cu.cm (iv) 3500.00 cu.cm (v) 3190.00 cu.cm

10. If the length, breadth and volume of a cuboid are 19.00 cm, 15.00 cm and 4275.00 cu.cm respectively, its height is



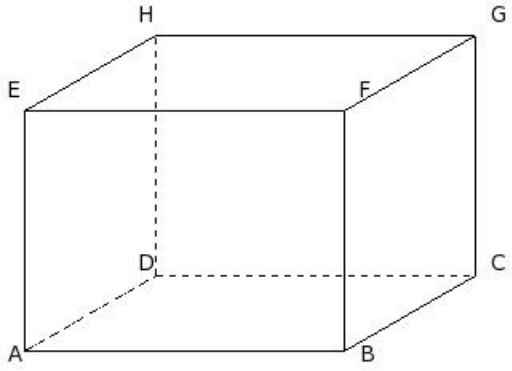
(i) 20.00 cm (ii) 18.00 cm (iii) 10.00 cm (iv) 15.00 cm (v) 12.00 cm

11. If the length, breadth and volume of a cuboid are 14.00 cm, 6.00 cm and 1596.00 cu.cm respectively, its L.S.A is



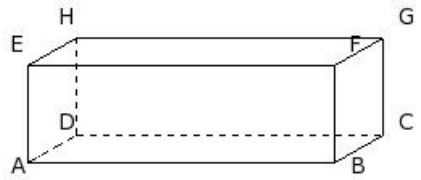
(i) 787.00 sq.cm (ii) 762.00 sq.cm (iii) 746.00 sq.cm (iv) 752.00 sq.cm (v) 760.00 sq.cm

12. If the length, breadth and volume of a cuboid are 20.00 cm, 19.00 cm and 5700.00 cu.cm respectively, its T.S.A is



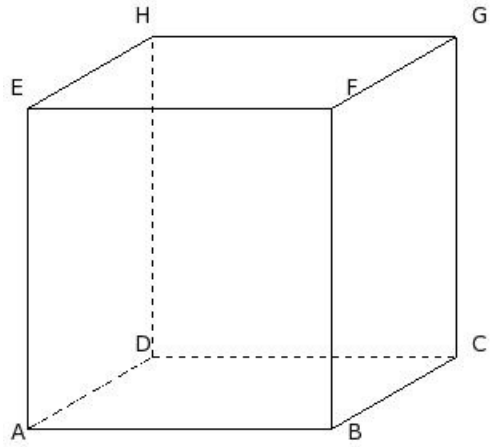
(i) 1780.00 sq.cm (ii) 1930.00 sq.cm (iii) 1790.00 sq.cm (iv) 2160.00 sq.cm (v) 1990.00 sq.cm

13. If the length, height and L.S.A of a cuboid are 19.00 cm, 6.00 cm and 312.00 sq.cm respectively, its breadth is



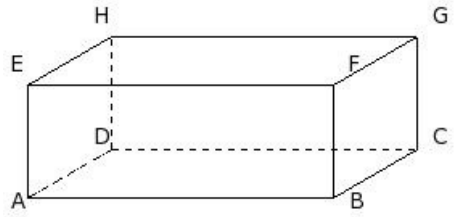
(i) 8.00 cm (ii) 7.00 cm (iii) 6.00 cm (iv) 5.00 cm (v) 9.00 cm

14. If the length, height and L.S.A of a cuboid are 19.00 cm, 20.00 cm and 1480.00 sq.cm respectively, its T.S.A is



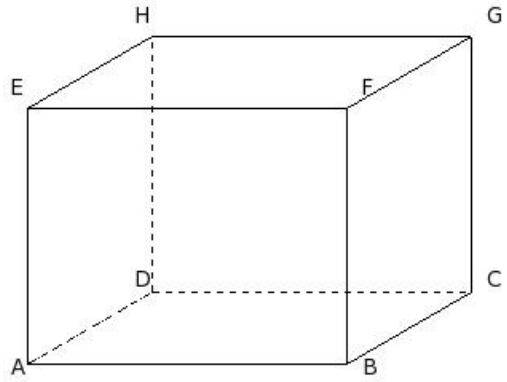
(i) 2164.00 sq.cm (ii) 1894.00 sq.cm (iii) 2304.00 sq.cm (iv) 2414.00 sq.cm (v) 2094.00 sq.cm

15. If the length, height and L.S.A of a cuboid are 19.00 cm, 7.00 cm and 434.00 sq.cm respectively, its volume is



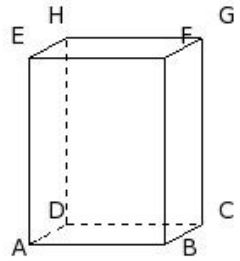
(i) 1436.00 cu.cm (ii) 1596.00 cu.cm (iii) 1566.00 cu.cm (iv) 1636.00 cu.cm (v) 1776.00 cu.cm

16. If the length, height and T.S.A of a cuboid are 20.00 cm, 16.00 cm and 1936.00 sq.cm respectively, its breadth is



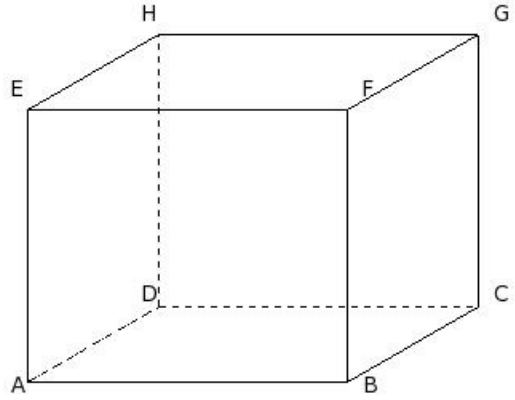
(i) 18.00 cm (ii) 13.00 cm (iii) 21.00 cm (iv) 23.00 cm (v) 15.00 cm

17. If the length, height and T.S.A of a cuboid are 8.00 cm, 11.00 cm and 366.00 sq.cm respectively, its L.S.A is



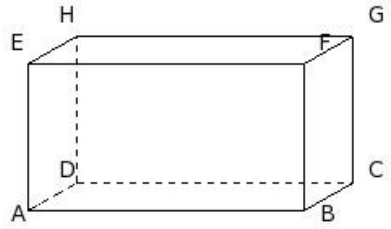
(i) 299.00 sq.cm (ii) 283.00 sq.cm (iii) 312.00 sq.cm (iv) 258.00 sq.cm (v) 286.00 sq.cm

18. If the length, height and volume of a cuboid are 20.00 cm, 17.00 cm and 6460.00 cu.cm respectively, its breadth is



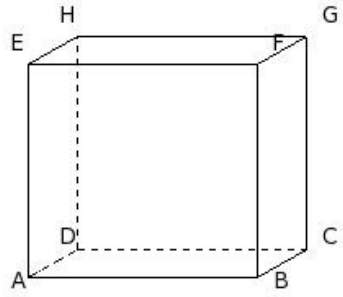
(i) 14.00 cm (ii) 19.00 cm (iii) 24.00 cm (iv) 16.00 cm (v) 22.00 sq.cm

19. If the length, height and volume of a cuboid are 17.00 cm, 9.00 cm and 1071.00 cu.cm respectively, its L.S.A is



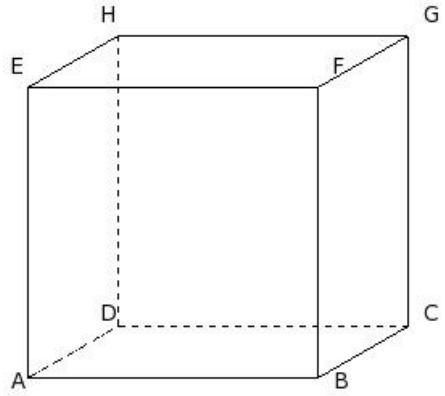
(i) 432.00 sq.cm (ii) 435.00 sq.cm (iii) 448.00 sq.cm (iv) 414.00 sq.cm

20. If the length, height and volume of a cuboid are 14.00 cm, 13.00 cm and 1274.00 cu.cm respectively, its T.S.A is



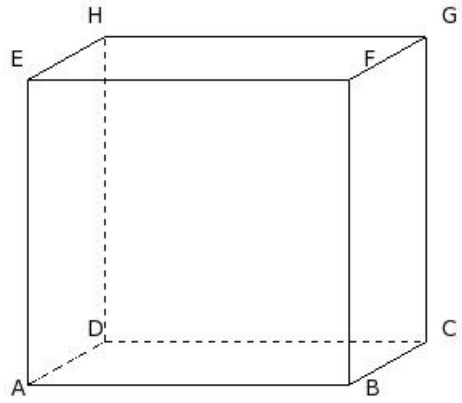
(i) 760.00 sq.cm (ii) 740.00 sq.cm (iii) 742.00 sq.cm (iv) 758.00 sq.cm (v) 729.00 sq.cm

21. If the breadth, height and L.S.A of a cuboid are 13.00 cm, 18.00 cm and 1116.00 sq.cm respectively, its length is



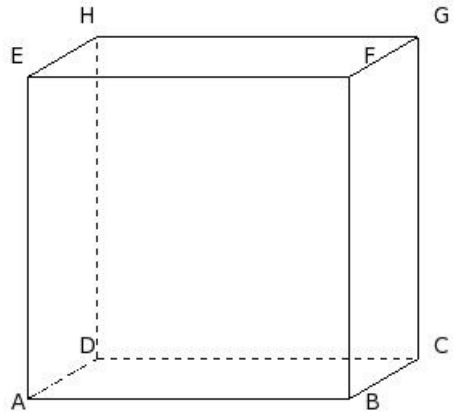
(i) 21.00 cm (ii) 18.00 cm (iii) 15.00 cm (iv) 13.00 cm (v) 23.00 cm

22. If the breadth, height and L.S.A of a cuboid are 11.00 cm, 19.00 cm and 1178.00 sq.cm respectively, its T.S.A is



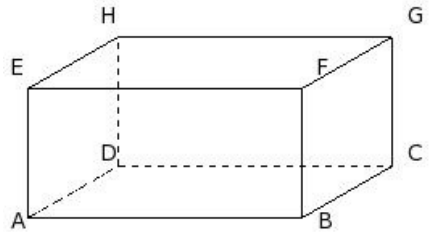
(i) 1768.00 sq.cm (ii) 1478.00 sq.cm (iii) 1748.00 sq.cm (iv) 1618.00 sq.cm

23. If the breadth, height and L.S.A of a cuboid are 10.00 cm, 20.00 cm and 1200.00 sq.cm respectively, its volume is



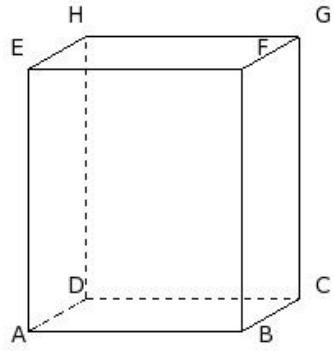
(i) 3920.00 cu.cm (ii) 4150.00 cu.cm (iii) 3880.00 cu.cm (iv) 4000.00 cu.cm (v) 4140.00 cu.cm

24. If the breadth, height and T.S.A of a cuboid are 13.00 cm, 8.00 cm and 922.00 sq.cm respectively, its length is



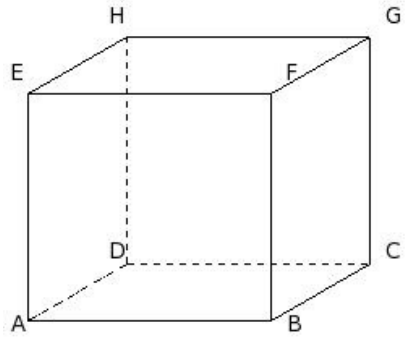
(i) 20.00 cm (ii) 17.00 cm (iii) 22.00 cm (iv) 14.00 cm (v) 12.00 cm

25. If the breadth, height and T.S.A of a cuboid are 8.00 cm, 16.00 cm and 880.00 sq.cm respectively, its L.S.A is



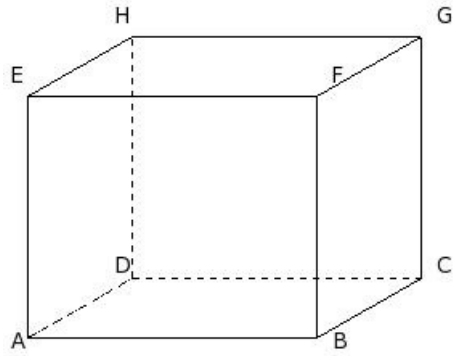
(i) 680.00 sq.cm (ii) 672.00 sq.cm (iii) 654.00 sq.cm (iv) 647.00 sq.cm (v) 689.00 sq.cm

26. If the breadth, height and T.S.A of a cuboid are 14.00 cm, 14.00 cm and 1232.00 sq.cm respectively, its volume is



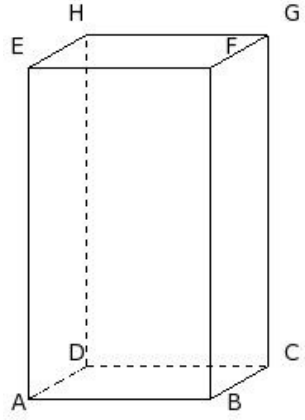
(i) 2880.00 cu.cm (ii) 2980.00 cu.cm (iii) 2940.00 cu.cm (iv) 2810.00 cu.cm (v) 3170.00 cu.cm

27. If the breadth, height and volume of a cuboid are 15.00 cm, 15.00 cm and 4050.00 cu.cm respectively, its length is



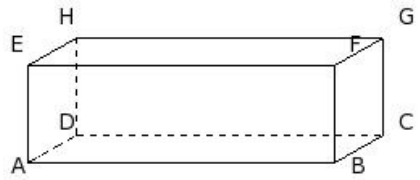
(i) 13.00 cm (ii) 15.00 cm (iii) 18.00 cm (iv) 21.00 cm (v) 23.00 cm

28. If the breadth, height and volume of a cuboid are 8.00 cm, 20.00 cm and 1760.00 cu.cm respectively, its L.S.A is



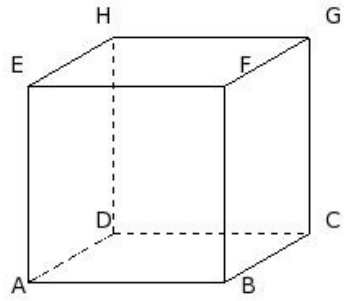
(i) 736.00 sq.cm (ii) 772.00 sq.cm (iii) 748.00 sq.cm (iv) 763.00 sq.cm (v) 760.00 sq.cm

29. If the breadth, height and volume of a cuboid are 7.00 cm, 6.00 cm and 798.00 cu.cm respectively, its T.S.A is



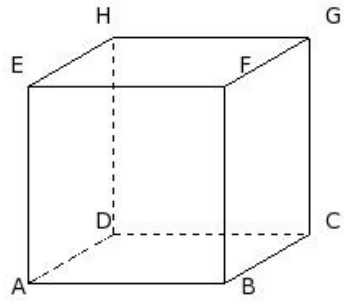
(i) 578.00 sq.cm (ii) 595.00 sq.cm (iii) 561.00 sq.cm (iv) 562.00 sq.cm (v) 603.00 sq.cm

30. If the side of a cube is 12.00 cm, its L.S.A is



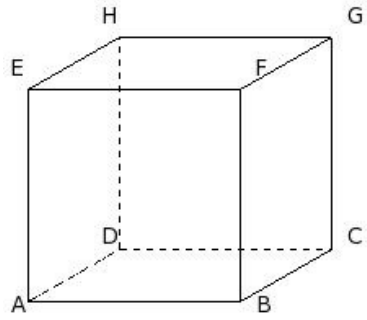
(i) 562.00 sq.cm (ii) 570.00 sq.cm (iii) 604.00 sq.cm (iv) 576.00 sq.cm (v) 581.00 sq.cm

31. If the side of a cube is 12.00 cm, its T.S.A is



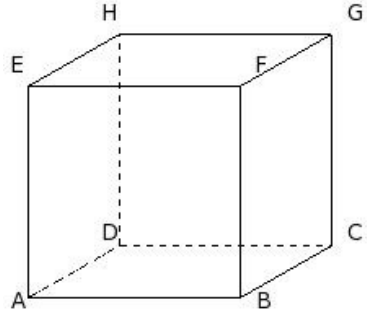
(i) 864.00 sq.cm (ii) 878.00 sq.cm (iii) 839.00 sq.cm (iv) 852.00 sq.cm (v) 871.00 sq.cm

32. If the side of a cube is 13.00 cm, its volume is



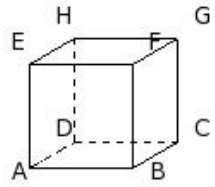
(i) 2377.00 cu.cm (ii) 2267.00 cu.cm (iii) 2177.00 cu.cm (iv) 2197.00 cu.cm (v) 2047.00 cu.cm

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



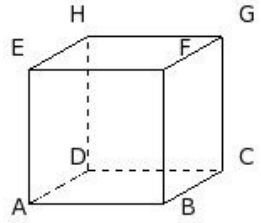
(i) 10.00 cm (ii) 8.00 cm (iii) 18.00 cm (iv) 16.00 cm (v) 13.00 cm

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



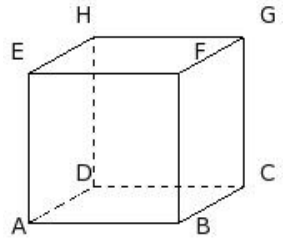
(i) 229.00 sq.cm (ii) 216.00 sq.cm (iii) 231.00 sq.cm (iv) 192.00 sq.cm (v) 214.00 sq.cm

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



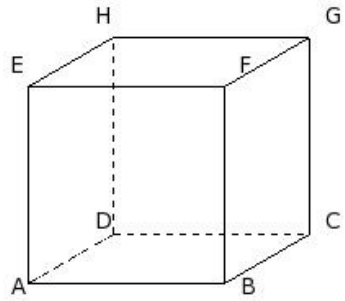
(i) 486.00 cu.cm (ii) 529.00 cu.cm (iii) 512.00 cu.cm (iv) 540.00 cu.cm (v) 499.00 cu.cm

36. If the T.S.A of a cube is 486.00 sq.cm, its side is



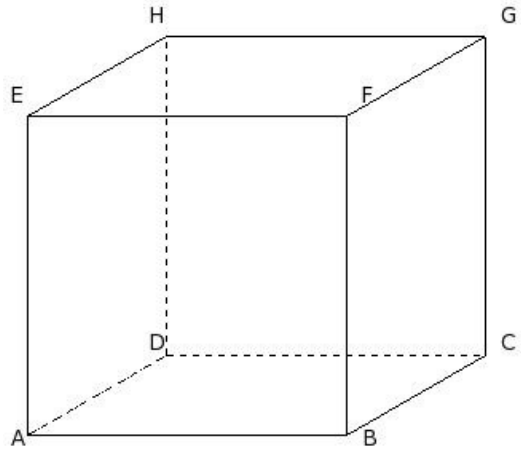
(i) 9.00 cm (ii) 11.00 cm (iii) 7.00 cm (iv) 8.00 cm (v) 10.00 cm

37. If the T.S.A of a cube is 864.00 sq.cm, its L.S.A is



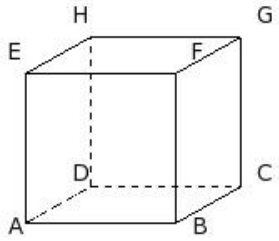
(i) 550.00 sq.cm (ii) 603.00 sq.cm (iii) 564.00 sq.cm (iv) 576.00 sq.cm (v) 581.00 sq.cm

38. If the T.S.A of a cube is 2400.00 sq.cm, its volume is



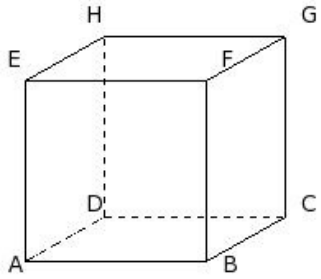
(i) 8140.00 cu.cm (ii) 7930.00 cu.cm (iii) 8170.00 cu.cm (iv) 7750.00 cu.cm (v) 8000.00 cu.cm

39. If the volume of a cube is 729.00 cu.cm, its side is



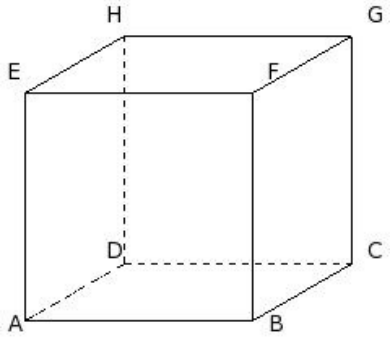
(i) 8.00 cm (ii) 11.00 cm (iii) 7.00 cm (iv) 9.00 cm (v) 10.00 cm

40. If the volume of a cube is 1331.00 cu.cm, its L.S.A is



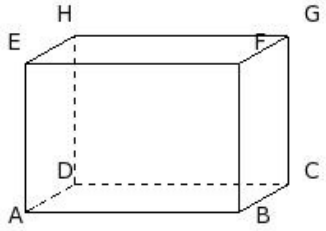
(i) 472.00 sq.cm (ii) 484.00 sq.cm (iii) 489.00 sq.cm (iv) 508.00 sq.cm (v) 467.00 sq.cm

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



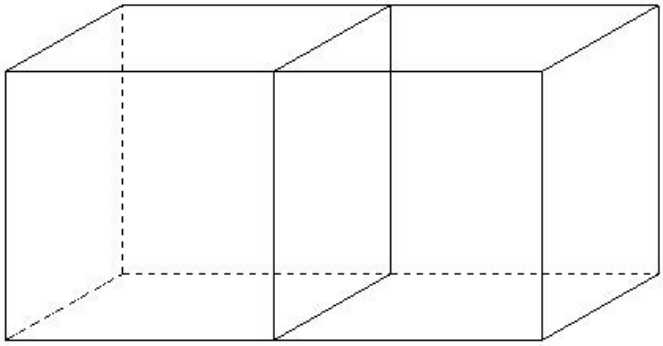
(i) 906.00 sq.cm (ii) 1176.00 sq.cm (iii) 1126.00 sq.cm (iv) 1246.00 sq.cm (v) 1396.00 sq.cm

42. If the length, height and T.S.A of a cuboid are 13.00 cm, 9.00 cm and 542.00 sq.cm respectively, its volume is



(i) 792.00 cu.cm (ii) 826.00 cu.cm (iii) 803.00 cu.cm (iv) 831.00 cu.cm (v) 819.00 cu.cm

43. Two cubes each of volume 4913.00 cu.cm are joined end to end . Find the surface area of the resulting cuboid.



(i) 3060.00 sq.cm (ii) 2740.00 sq.cm (iii) 2890.00 sq.cm (iv) 2730.00 sq.cm (v) 3110.00 sq.cm

44. Water in a canal, 17 m wide and 3 m deep is flowing with a speed of 17 kmph . How much area will it irrigate in 25 min, if 9 cm of standing water is needed ?

(i) 4183888.89 sq.m (ii) 4013888.89 sq.m (iii) 4153888.89 sq.m (iv) 3973888.89 sq.m

(v) 3833888.89 sq.m

Assignment Key

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