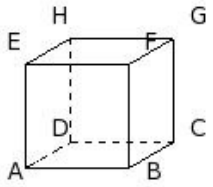
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Volume and Surface Area of Solids

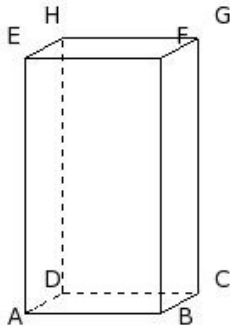
Grade : ICSE Grade VII

1. If the volume of a cube is 216.00 cu.cm, its side is



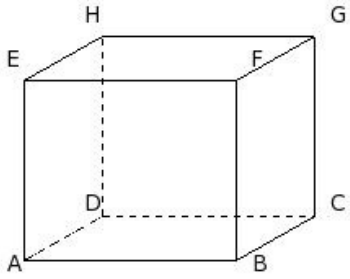
(i) 8.00 cm (ii) 7.00 cm (iii) 4.00 cm (iv) 5.00 cm (v) 6.00 cm

2. If the length, breadth and height of a cuboid are 8.00 cm, 5.00 cm and 15.00 cm respectively, its T.S.A is



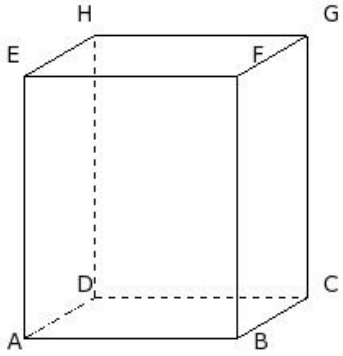
(i) 458.00 sq.cm (ii) 492.00 sq.cm (iii) 485.00 sq.cm (iv) 470.00 sq.cm (v) 454.00 sq.cm

3. If the length, height and T.S.A of a cuboid are 13.00 cm, 11.00 cm and 814.00 sq.cm respectively, its L.S.A is



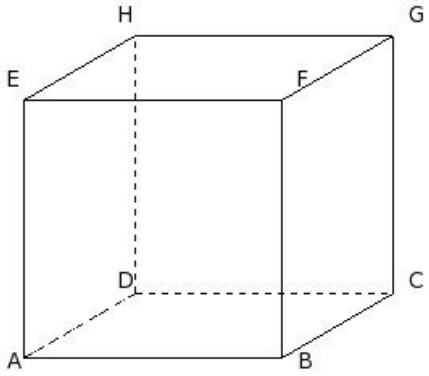
(i) 528.00 sq.cm (ii) 510.00 sq.cm (iii) 503.00 sq.cm (iv) 536.00 sq.cm (v) 542.00 sq.cm

4. If the breadth, height and T.S.A of a cuboid are 10.00 cm, 16.00 cm and 996.00 sq.cm respectively, its length is



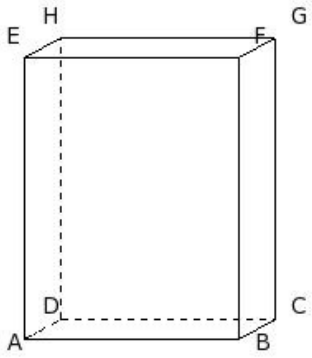
(i) 16.00 cm (ii) 10.00 cm (iii) 8.00 cm (iv) 18.00 cm (v) 13.00 cm

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



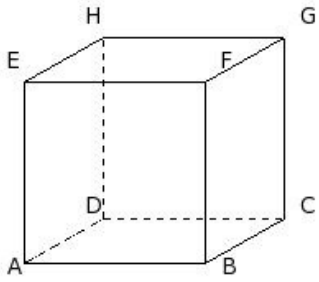
(i) 1084.00 sq.cm (ii) 1194.00 sq.cm (iii) 764.00 sq.cm (iv) 1024.00 sq.cm (v) 994.00 sq.cm

6. If the breadth, height and volume of a cuboid are 5.00 cm, 17.00 cm and 1105.00 cu.cm respectively, its T.S.A is



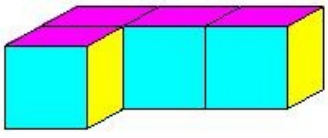
(i) 737.00 sq.cm (ii) 720.00 sq.cm (iii) 742.00 sq.cm (iv) 755.00 sq.cm

7. If the volume of a cuboid is 1331.00 cu.cm, its T.S.A is



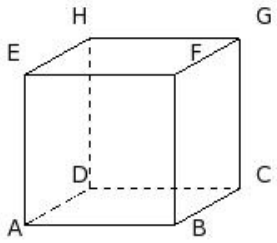
(i) 749.00 sq.cm (ii) 726.00 sq.cm (iii) 700.00 sq.cm (iv) 743.00 sq.cm (v) 720.00 sq.cm

8. Find the volume of the given object if each individual cube is 1 cu.cm



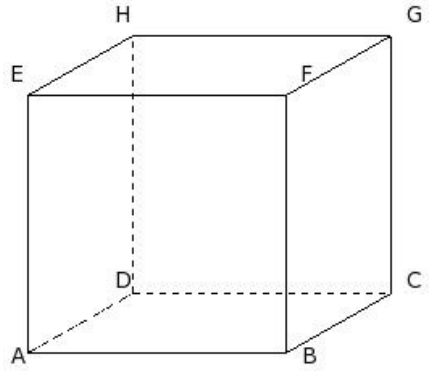
(i) 4 cu.cm (ii) 6 cu.cm (iii) 5 cu.cm (iv) 3 cu.cm (v) 2 cu.cm

9. If the L.S.A of a cube is 324.00 sq.cm, its T.S.A is



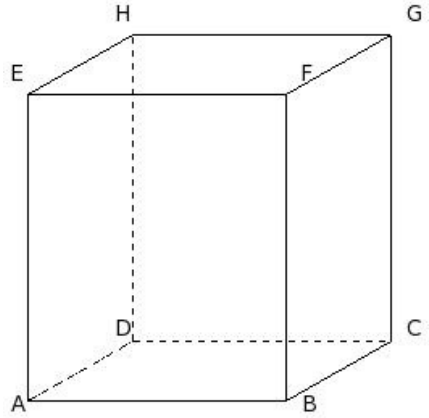
(i) 510.00 sq.cm (ii) 464.00 sq.cm (iii) 470.00 sq.cm (iv) 501.00 sq.cm (v) 486.00 sq.cm

10. If the length, height and volume of a cuboid are 16.00 cm, 16.00 cm and 3840.00 cu.cm respectively, its T.S.A is



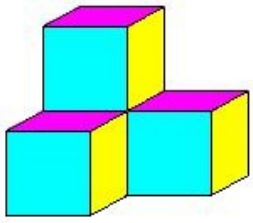
(i) 1452.00 sq.cm (ii) 1302.00 sq.cm (iii) 1522.00 sq.cm (iv) 1692.00 sq.cm (v) 1472.00 sq.cm

11. If the length, height and volume of a cuboid are 16.00 cm, 19.00 cm and 4560.00 cu.cm respectively, its L.S.A is



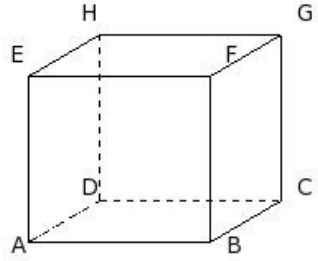
(i) 1178.00 sq.cm (ii) 1328.00 sq.cm (iii) 1138.00 sq.cm (iv) 938.00 sq.cm (v) 1198.00 sq.cm

12. Find the volume of the given object if each individual cube is 1 cu.cm



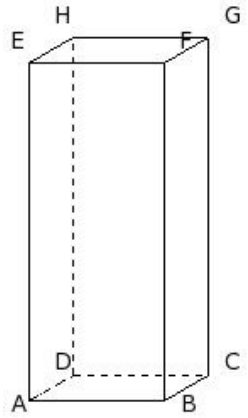
(i) 6 cu.cm (ii) 4 cu.cm (iii) 2 cu.cm (iv) 5 cu.cm (v) 3 cu.cm

13. If the length, breadth and L.S.A of a cuboid are 11.00 cm, 10.00 cm and 420.00 sq.cm respectively, its volume is



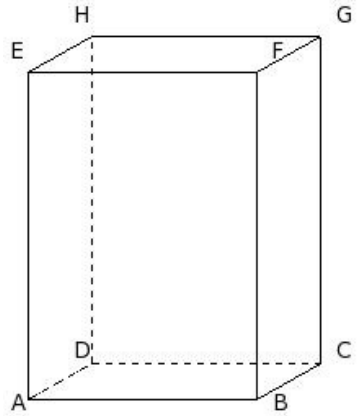
(i) 1320.00 cu.cm (ii) 1130.00 cu.cm (iii) 950.00 cu.cm (iv) 1100.00 cu.cm (v) 980.00 cu.cm

14. If the length, breadth and T.S.A of a cuboid are 8.00 cm, 6.00 cm and 656.00 sq.cm respectively, its L.S.A is



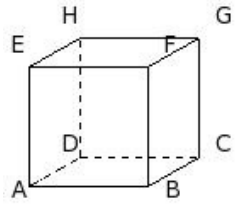
(i) 573.00 sq.cm (ii) 560.00 sq.cm (iii) 542.00 sq.cm (iv) 546.00 sq.cm (v) 578.00 sq.cm

15. If the length, breadth and T.S.A of a cuboid are 14.00 cm, 9.00 cm and 1172.00 sq.cm respectively, its volume is



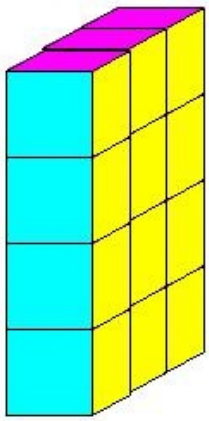
(i) 2770.00 cu.cm (ii) 2650.00 cu.cm (iii) 2360.00 cu.cm (iv) 2520.00 cu.cm (v) 2480.00 cu.cm

16. If the L.S.A of a cube is 196.00 sq.cm, its volume is



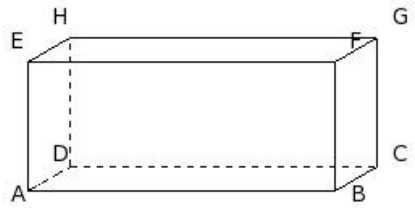
(i) 328.00 cu.cm (ii) 337.00 cu.cm (iii) 346.00 cu.cm (iv) 371.00 cu.cm (v) 343.00 cu.cm

17. Find the volume of the given object if each individual cube is 1 cu.cm



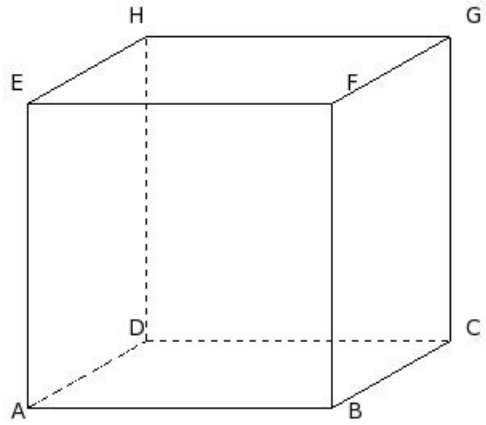
(i) 11 cu.cm (ii) 13 cu.cm (iii) 14 cu.cm (iv) 10 cu.cm (v) 12 cu.cm

18. If the breadth, height and T.S.A of a cuboid are 6.00 cm, 8.00 cm and 628.00 sq.cm respectively, its volume is



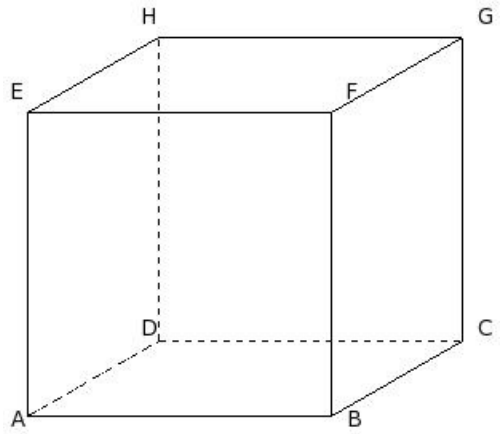
(i) 889.00 cu.cm (ii) 896.00 cu.cm (iii) 912.00 cu.cm (iv) 930.00 cu.cm

19. If the length, breadth and height of a cuboid are 19.00 cm, 17.00 cm and 19.00 cm respectively, its L.S.A is



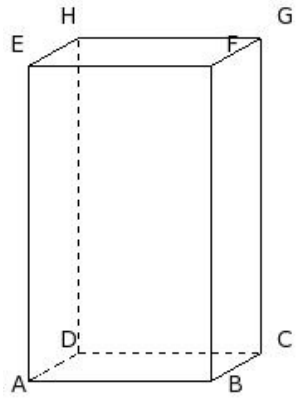
(i) 1528.00 sq.cm (ii) 1188.00 sq.cm (iii) 1418.00 sq.cm (iv) 1368.00 sq.cm (v) 1138.00 sq.cm

20. If the side of a cube is 19.00 cm, its volume is



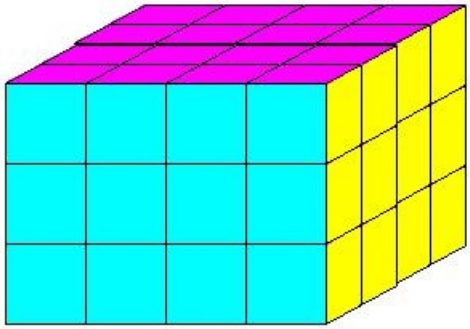
(i) 6879.00 cu.cm (ii) 7109.00 cu.cm (iii) 6619.00 cu.cm (iv) 6859.00 cu.cm (v) 6739.00 cu.cm

21. If the breadth, height and T.S.A of a cuboid are 7.00 cm, 19.00 cm and 838.00 sq.cm respectively, its L.S.A is



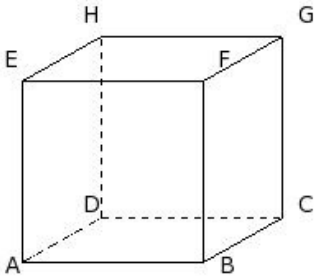
(i) 656.00 sq.cm (ii) 671.00 sq.cm (iii) 684.00 sq.cm (iv) 698.00 sq.cm (v) 696.00 sq.cm

22. Find the volume of the given object if each individual cube is 1 cu.cm



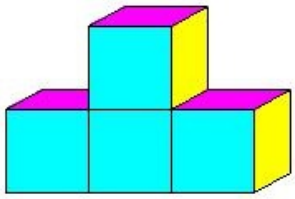
(i) 49 cu.cm (ii) 46 cu.cm (iii) 50 cu.cm (iv) 47 cu.cm (v) 48 cu.cm

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



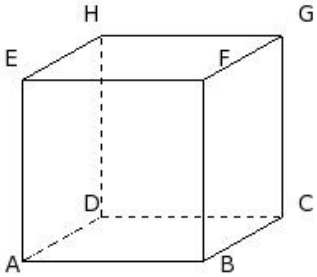
(i) 1331.00 cu.cm (ii) 1561.00 cu.cm (iii) 1381.00 cu.cm (iv) 1211.00 cu.cm (v) 1051.00 cu.cm

24. Find the volume of the given object if each individual cube is 1 cu.cm



(i) 2 cu.cm (ii) 6 cu.cm (iii) 3 cu.cm (iv) 5 cu.cm (v) 4 cu.cm

25. If the side of a cube is 11.00 cm, its L.S.A is



(i) 496.00 sq.cm (ii) 484.00 sq.cm (iii) 471.00 sq.cm (iv) 469.00 sq.cm

Assignment Key

1) (v)	2) (iv)	3) (i)	4) (v)	5) (iv)	6) (iii)
7) (ii)	8) (i)	9) (v)	10) (v)	11) (i)	12) (ii)
13) (iv)	14) (ii)	15) (iv)	16) (v)	17) (v)	18) (iii)
19) (iv)	20) (iv)	21) (iii)	22) (v)	23) (i)	24) (v)
25) (ii)					