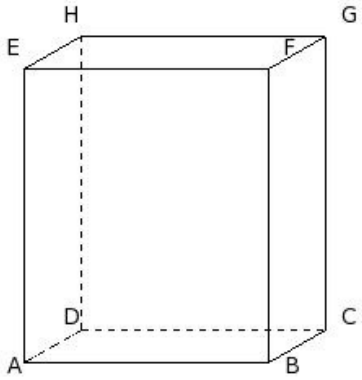
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Volume and Surface Area of Solids

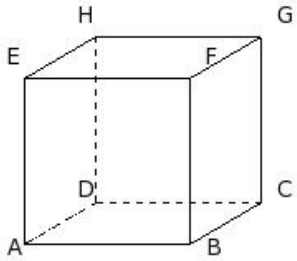
Grade : ICSE Grade IX

1. If the breadth, height and volume of a cuboid are 8.00 cm, 18.00 cm and 2160.00 cu.cm respectively, its T.S.A is



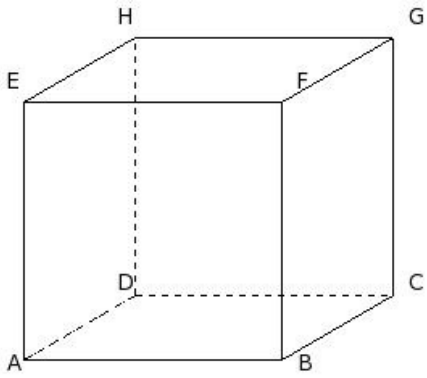
(i) 1068.00 sq.cm (ii) 1328.00 sq.cm (iii) 798.00 sq.cm (iv) 1138.00 sq.cm (v) 1048.00 sq.cm

2. If the volume of a cube is 1000.00 cu.cm, its L.S.A is



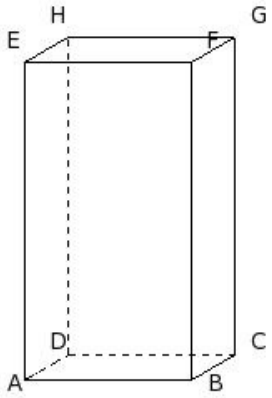
(i) 384.00 sq.cm (ii) 407.00 sq.cm (iii) 400.00 sq.cm (iv) 397.00 sq.cm (v) 426.00 sq.cm

3. If the side of a cube is 16.00 cm, its T.S.A is



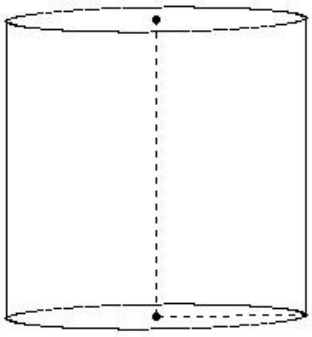
(i) 1816.00 sq.cm (ii) 1576.00 sq.cm (iii) 1356.00 sq.cm (iv) 1536.00 sq.cm (v) 1466.00 sq.cm

4. If the breadth, height and L.S.A of a cuboid are 6.00 cm, 19.00 cm and 608.00 sq.cm respectively, its volume is



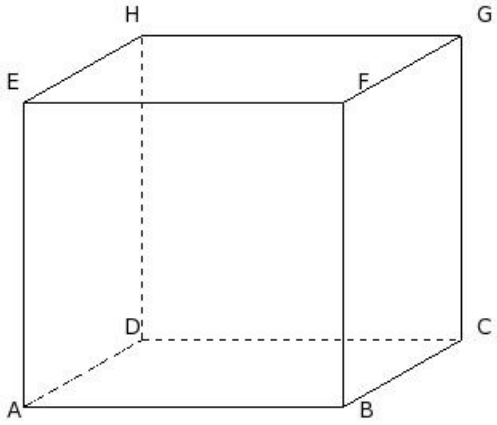
(i) 1140.00 cu.cm (ii) 980.00 cu.cm (iii) 1060.00 cu.cm (iv) 1410.00 cu.cm (v) 1210.00 cu.cm

5. If the height of a cylinder is 18.00 cm and T.S.A is 1527.43 sq.cm, its radius is



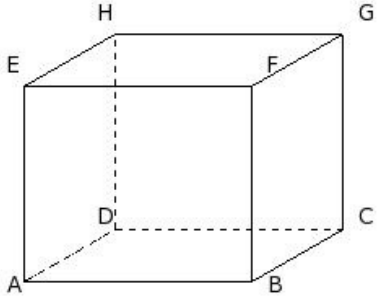
(i) 8.00 cm (ii) 10.00 cm (iii) 9.00 cm (iv) 7.00 cm (v) 11.00 cm

6. If the breadth, height and volume of a cuboid are 17.00 cm, 19.00 cm and 6460.00 cu.cm respectively, its L.S.A is



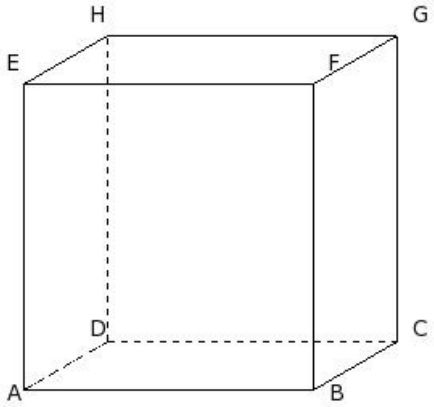
(i) 1176.00 sq.cm (ii) 1676.00 sq.cm (iii) 1466.00 sq.cm (iv) 1406.00 sq.cm (v) 1326.00 sq.cm

7. If the length, breadth and volume of a cuboid are 14.00 cm, 13.00 cm and 2184.00 cu.cm respectively, its L.S.A is



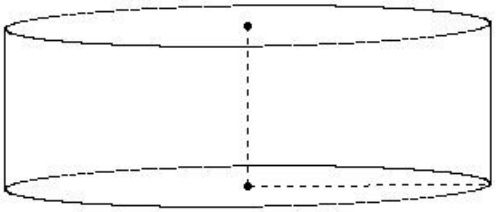
(i) 660.00 sq.cm (ii) 642.00 sq.cm (iii) 626.00 sq.cm (iv) 648.00 sq.cm (v) 651.00 sq.cm

8. If the breadth, height and T.S.A of a cuboid are 12.00 cm, 19.00 cm and 1572.00 sq.cm respectively, its length is



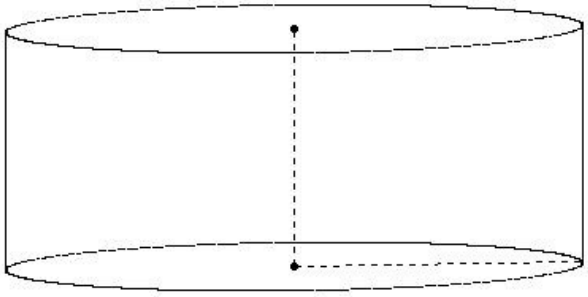
(i) 21.00 cm (ii) 18.00 cm (iii) 15.00 cm (iv) 13.00 cm (v) 23.00 cm

9. If the height of a cylinder is 10.00 cm and T.S.A is 2357.14 sq.cm, its base area is



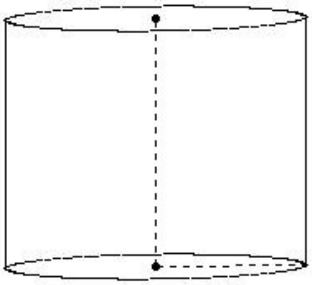
(i) 683.14 sq.cm (ii) 730.14 sq.cm (iii) 702.14 sq.cm (iv) 707.14 sq.cm (v) 724.14 sq.cm

10. If the height of a cylinder is 15.00 cm and L.S.A is 1697.14 sq.cm, its base area is



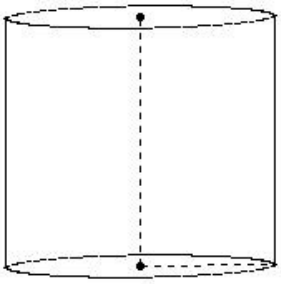
(i) 878.29 sq.cm (ii) 1158.29 sq.cm (iii) 1018.29 sq.cm (iv) 1098.29 sq.cm (v) 898.29 sq.cm

11. If the radius of a cylinder is 9.00 cm and volume is 3818.57 cu.cm, its T.S.A is



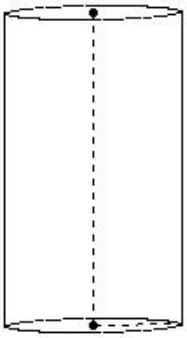
(i) 1087.71 sq.cm (ii) 1607.71 sq.cm (iii) 1317.71 sq.cm (iv) 1487.71 sq.cm (v) 1357.71 sq.cm

12. If the radius of a cylinder is 8.00 cm and height is 15.00 cm, its base area is



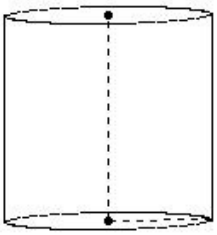
(i) 216.14 sq.cm (ii) 198.14 sq.cm (iii) 201.14 sq.cm (iv) 175.14 sq.cm (v) 213.14 sq.cm

13. If the radius of a cylinder is 5.00 cm and L.S.A is 565.71 sq.cm, its T.S.A is



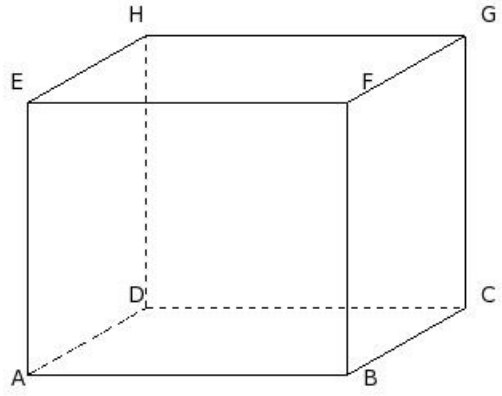
(i) 722.86 sq.cm (ii) 708.86 sq.cm (iii) 735.86 sq.cm (iv) 710.86 sq.cm

14. If the height of a cylinder is 12.00 cm and volume is 1357.71 cu.cm, its L.S.A. is



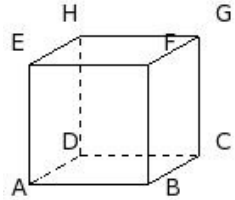
(i) 452.57 sq.cm (ii) 437.57 sq.cm (iii) 466.57 sq.cm (iv) 458.57 sq.cm (v) 434.57 sq.cm

15. If the length, height and L.S.A of a cuboid are 20.00 cm, 17.00 cm and 1258.00 sq.cm respectively, its breadth is



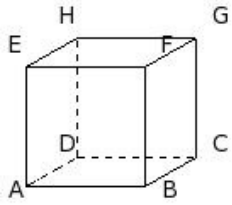
(i) 20.00 cm (ii) 14.00 cm (iii) 17.00 cm (iv) 12.00 cm (v) 22.00 cm

16. If the side of a cube is 7.00 cm, its volume is



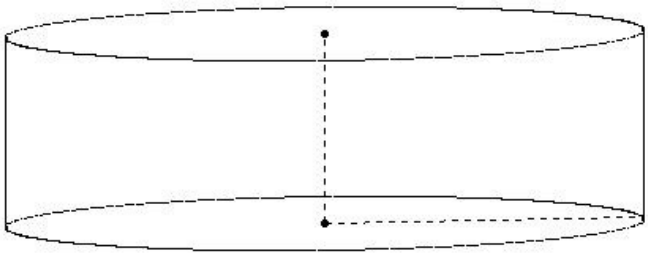
(i) 360.00 cu.cm (ii) 317.00 cu.cm (iii) 338.00 cu.cm (iv) 343.00 cu.cm (v) 351.00 cu.cm

17. If the L.S.A of a cube is 196.00 sq.cm, its T.S.A is



(i) 294.00 sq.cm (ii) 311.00 sq.cm (iii) 280.00 sq.cm (iv) 279.00 sq.cm

18. If the height of a cylinder is 12.00 cm and base area is 1257.14 sq.cm, its T.S.A is

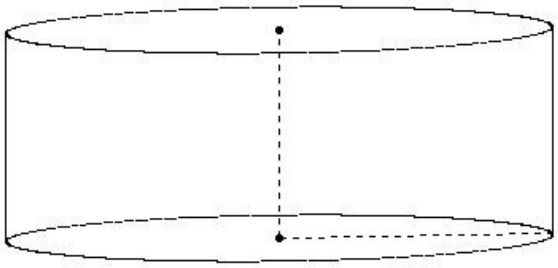


(i) 4022.86 sq.cm (ii) 3852.86 sq.cm (iii) 4252.86 sq.cm (iv) 4082.86 sq.cm (v) 3772.86 sq.cm

19. A copper sphere having a radius of 2.00 cm is melted and drawn into a cylindrical wire of radius 0.10 cm. Calculate the length of the wire.

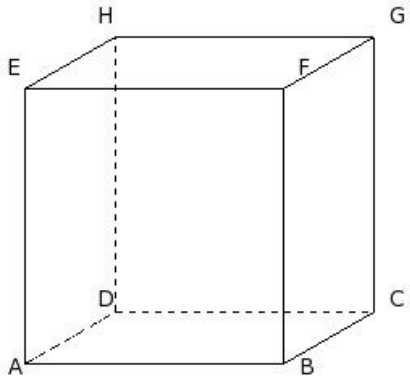
(i) 7.67 m (ii) 5.67 m (iii) 13.67 m (iv) 10.67 m (v) 15.67 m

20. If the radius of a cylinder is 17.00 cm and volume is 11807.71 cu.cm, its base area is



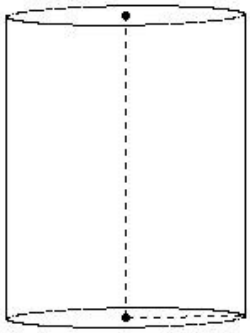
(i) 901.29 sq.cm (ii) 890.29 sq.cm (iii) 923.29 sq.cm (iv) 908.29 sq.cm (v) 912.29 sq.cm

21. If the length, height and L.S.A of a cuboid are 16.00 cm, 17.00 cm and 986.00 sq.cm respectively, its T.S.A is



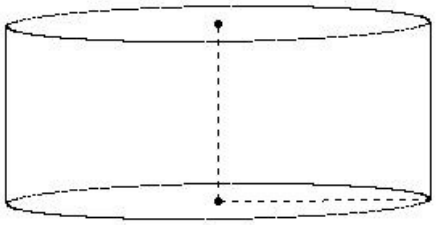
(i) 1482.00 sq.cm (ii) 1542.00 sq.cm (iii) 1342.00 sq.cm (iv) 1402.00 sq.cm (v) 1282.00 sq.cm

22. If the radius of a cylinder is 7.00 cm and height is 18.00 cm, its L.S.A. is



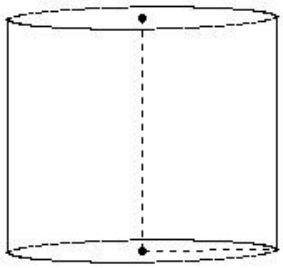
(i) 765.00 sq.cm (ii) 792.00 sq.cm (iii) 810.00 sq.cm (iv) 779.00 sq.cm (v) 807.00 sq.cm

23. If the height of a cylinder is 11.00 cm and base area is 531.14 sq.cm, its L.S.A. is



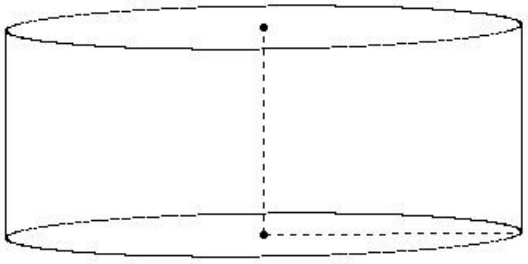
(i) 898.86 sq.cm (ii) 885.86 sq.cm (iii) 922.86 sq.cm (iv) 871.86 sq.cm (v) 902.86 sq.cm

24. If the height of a cylinder is 14.00 cm and volume is 2816.00 cu.cm, its radius is



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

25. If the height of a cylinder is 13.00 cm and L.S.A is 1307.43 sq.cm, its T.S.A is



(i) 3176.57 sq.cm (ii) 2646.57 sq.cm (iii) 2836.57 sq.cm (iv) 2966.57 sq.cm (v) 2916.57 sq.cm

Assignment Key

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