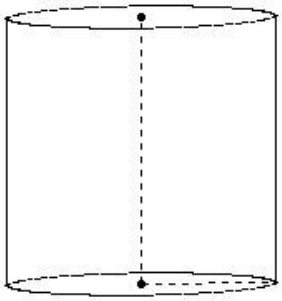
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Surface Areas and Volumes

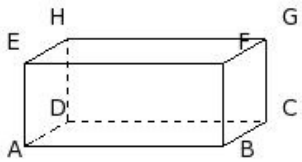
Grade : CBSE Grade IX

1. If the radius of a cylinder is 8.00 cm and L.S.A is 804.57 sq.cm, its T.S.A is



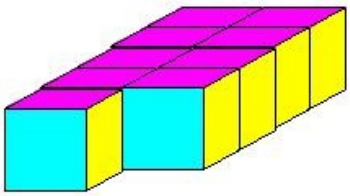
(i) 1066.86 sq.cm (ii) 1226.86 sq.cm (iii) 1356.86 sq.cm (iv) 1206.86 sq.cm

2. If the length, breadth and height of a cuboid are 12.00 cm, 6.00 cm and 5.00 cm respectively, its T.S.A is



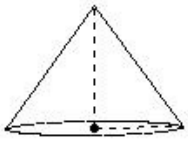
(i) 324.00 sq.cm (ii) 351.00 sq.cm (iii) 308.00 sq.cm (iv) 331.00 sq.cm (v) 319.00 sq.cm

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



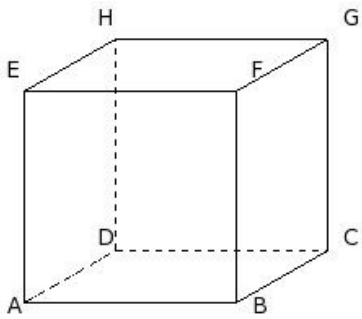
(i) 10 cu.cm (ii) 9 cu.cm (iii) 11 cu.cm (iv) 8 cu.cm (v) 7 cu.cm

4. If the base radius of a cone is 5.00 cm and L.S.A is 135.14 sq.cm, its volume is



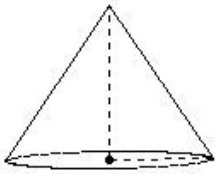
(i) 197.33 cu.cm (ii) 190.33 cu.cm (iii) 181.33 cu.cm (iv) 183.33 cu.cm (v) 158.33 cu.cm

5. If the side of a cube is 13.00 cm, its L.S.A is



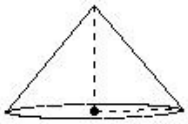
(i) 650.00 sq.cm (ii) 676.00 sq.cm (iii) 674.00 sq.cm (iv) 700.00 sq.cm (v) 691.00 sq.cm

6. If the base radius of a cone is 6.00 cm and vertical height is 9.00 cm, its slant height is



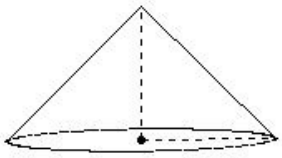
(i) 7.82 cm (ii) 15.82 cm (iii) 13.82 cm (iv) 5.82 cm (v) 10.82 cm

7. If the slant height of a cone is 7.81 cm and vertical height is 6.00 cm, its T.S.A is



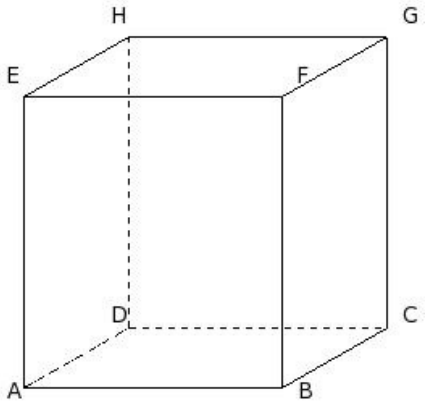
(i) 201.30 sq.cm (ii) 213.30 sq.cm (iii) 228.30 sq.cm (iv) 194.30 sq.cm (v) 187.30 sq.cm

8. If the slant height of a cone is 11.31 cm and L.S.A is 284.37 sq.cm, its vertical height is



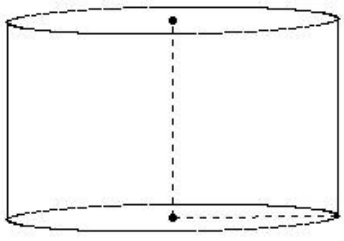
(i) 7.00 cm (ii) 9.00 cm (iii) 6.00 cm (iv) 10.00 cm (v) 8.00 cm

9. If the length, height and L.S.A of a cuboid are 16.00 cm, 18.00 cm and 1116.00 sq.cm respectively, its T.S.A is



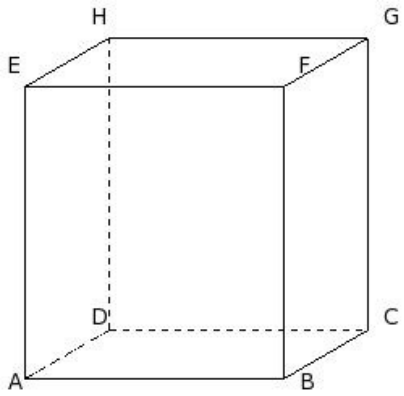
(i) 1596.00 sq.cm (ii) 1346.00 sq.cm (iii) 1826.00 sq.cm (iv) 1736.00 sq.cm (v) 1476.00 sq.cm

10. If the radius of a cylinder is 10.00 cm and height is 12.00 cm, its L.S.A. is



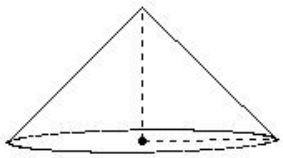
(i) 761.29 sq.cm (ii) 738.29 sq.cm (iii) 776.29 sq.cm (iv) 754.29 sq.cm (v) 750.29 sq.cm

11. If the length, breadth and T.S.A of a cuboid are 16.00 cm, 12.00 cm and 1392.00 sq.cm respectively, its volume is



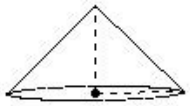
(i) 3616.00 cu.cm (ii) 3606.00 cu.cm (iii) 3416.00 cu.cm (iv) 3226.00 cu.cm (v) 3456.00 cu.cm

12. If the slant height of a cone is 11.31 cm and T.S.A is 485.51 sq.cm, its volume is



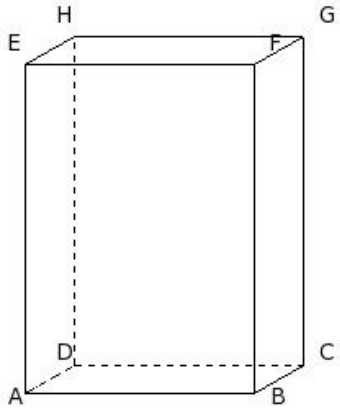
(i) 558.38 cu.cm (ii) 550.38 cu.cm (iii) 536.38 cu.cm (iv) 513.38 cu.cm (v) 534.38 cu.cm

13. If the base radius of a cone is 5.00 cm and volume is 130.95 cu.cm, its T.S.A is



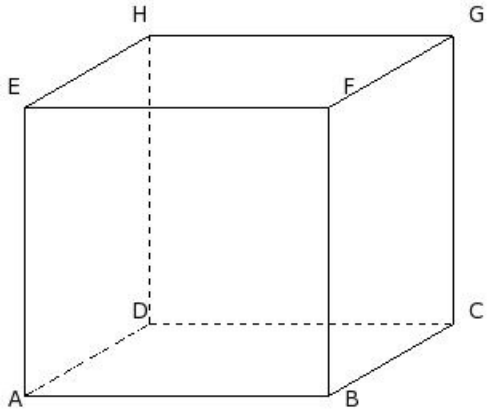
(i) 206.67 sq.cm (ii) 173.67 sq.cm (iii) 162.67 sq.cm (iv) 189.67 sq.cm (v) 207.67 sq.cm

14. If the length, breadth and L.S.A of a cuboid are 14.00 cm, 7.00 cm and 840.00 sq.cm respectively, its T.S.A is



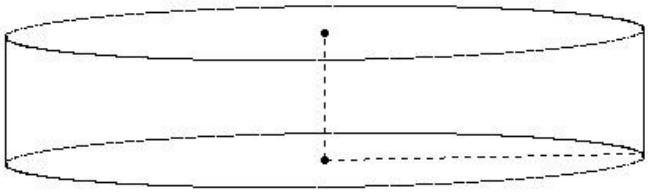
(i) 1096.00 sq.cm (ii) 876.00 sq.cm (iii) 1036.00 sq.cm (iv) 1266.00 sq.cm (v) 766.00 sq.cm

15. If the length, height and L.S.A of a cuboid are 19.00 cm, 18.00 cm and 1332.00 sq.cm respectively, its volume is



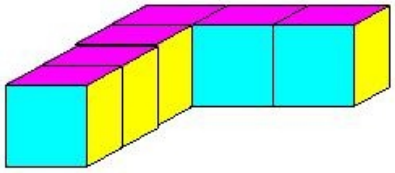
(i) 6116.00 cu.cm (ii) 6386.00 cu.cm (iii) 6156.00 cu.cm (iv) 6206.00 cu.cm (v) 5996.00 cu.cm

16. If the height of a cylinder is 8.00 cm and base area is 1257.14 sq.cm, its T.S.A is



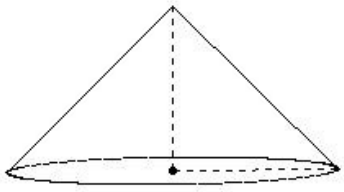
(i) 3570.00 sq.cm (ii) 3520.00 sq.cm (iii) 3650.00 sq.cm (iv) 3500.00 sq.cm (v) 3300.00 sq.cm

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



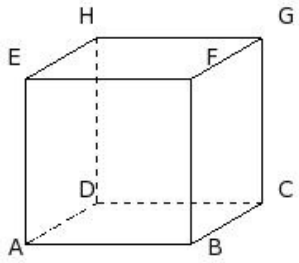
(i) 8 cu.cm (ii) 7 cu.cm (iii) 6 cu.cm (iv) 5 cu.cm (v) 4 cu.cm

18. If the vertical height of a cone is 10.00 cm and volume is 1047.62 cu.cm, its slant height is



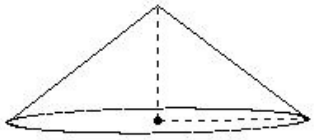
(i) 19.14 cm (ii) 9.14 cm (iii) 17.14 cm (iv) 14.14 cm (v) 11.14 cm

19. If the L.S.A of a cube is 400.00 sq.cm, its volume is



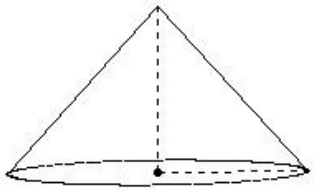
(i) 1000.00 cu.cm (ii) 1260.00 cu.cm (iii) 880.00 cu.cm (iv) 1030.00 cu.cm (v) 830.00 cu.cm

20. If the vertical height of a cone is 7.00 cm and volume is 594.00 cu.cm, its base area is



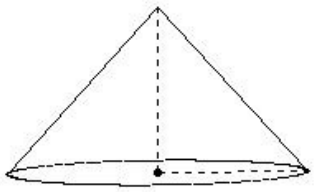
(i) 236.57 sq.cm (ii) 269.57 sq.cm (iii) 254.57 sq.cm (iv) 230.57 sq.cm (v) 261.57 sq.cm

21. If the base radius of a cone is 9.00 cm and L.S.A is 380.44 sq.cm, its base area is



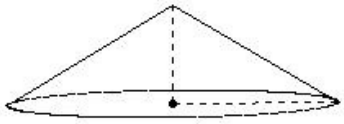
(i) 254.57 sq.cm (ii) 282.57 sq.cm (iii) 228.57 sq.cm (iv) 257.57 sq.cm (v) 246.57 sq.cm

22. If the base radius of a cone is 9.00 cm and vertical height is 10.00 cm, its T.S.A is



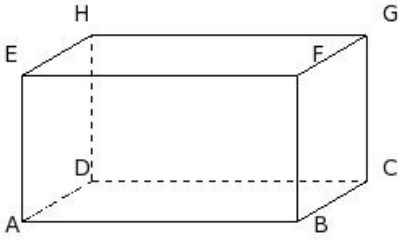
(i) 635.01 sq.cm (ii) 660.01 sq.cm (iii) 643.01 sq.cm (iv) 618.01 sq.cm

23. If the base radius of a cone is 10.00 cm and vertical height is 6.00 cm, its volume is



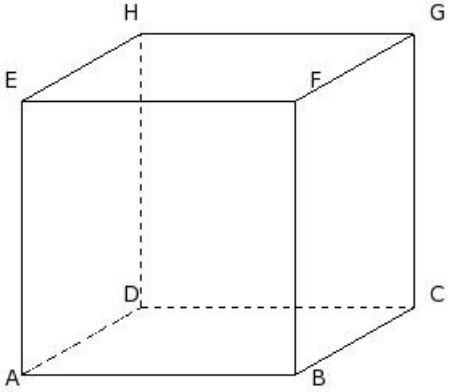
(i) 611.57 cu.cm (ii) 645.57 cu.cm (iii) 628.57 cu.cm (iv) 604.57 cu.cm (v) 640.57 cu.cm

24. If the length, breadth and volume of a cuboid are 17.00 cm, 10.00 cm and 1530.00 cu.cm respectively, its height is



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

25. If the side of a cube is 17.00 cm, its volume is



(i) 5163.00 cu.cm (ii) 4793.00 cu.cm (iii) 4913.00 cu.cm (iv) 4853.00 cu.cm (v) 5073.00 cu.cm

Assignment Key

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