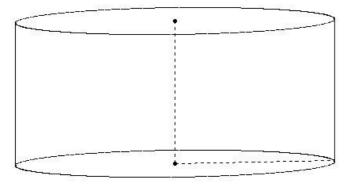
Name: Chapter Based Worksheet

Chapter: Surface Areas and Volumes

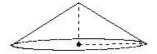
Grade: CBSE Grade IX

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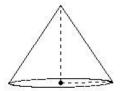
1. If the height of a cylinder is 18.00 cm and L.S.A is 2262.86 sq.cm, its T.S.A is



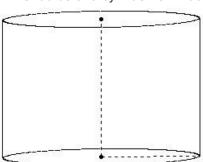
- (i) 4917.14 sq.cm (ii) 4727.14 sq.cm (iii) 4777.14 sq.cm (iv) 4547.14 sq.cm
- 2. If the slant height of a cone is 9.43 cm and T.S.A is 438.24 sq.cm, its vertical height is



- (i) 5.00 cm (ii) 7.00 cm (iii) 4.00 cm (iv) 3.00 cm (v) 6.00 cm
- 3. If the base radius of a cone is 6.00 cm and L.S.A is 204.03 sq.cm, its base area is

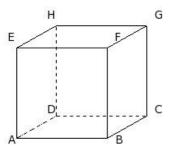


- (i) 86.14 sq.cm (ii) 113.14 sq.cm (iii) 107.14 sq.cm (iv) 139.14 sq.cm (v) 118.14 sq.cm
- 4. If the radius of a cylinder is 12.00 cm and volume is 7693.71 cu.cm, its T.S.A is



(i) 2187.43 sq.cm (ii) 2017.43 sq.cm (iii) 2207.43 sq.cm (iv) 2417.43 sq.cm (v) 2037.43 sq.cm

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



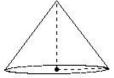
(i) 469.00 sq.cm (ii) 498.00 sq.cm (iii) 484.00 sq.cm (iv) 466.00 sq.cm (v) 501.00 sq.cm

6. If the radius of a cylinder is 5.00 cm and height is 11.00 cm, its L.S.A. is



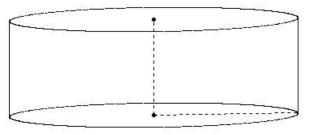
(i) 319.71 sq.cm (ii) 345.71 sq.cm (iii) 327.71 sq.cm (iv) 360.71 sq.cm (v) 361.71 sq.cm

7. If the base radius of a cone is 6.00 cm and volume is 301.71 cu.cm, its L.S.A. is



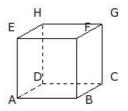
(i) 176.57 sq.cm (ii) 203.57 sq.cm (iii) 188.57 sq.cm (iv) 184.57 sq.cm (v) 202.57 sq.cm

8. If the height of a cylinder is 12.00 cm and base area is 1018.29 sq.cm, its L.S.A. is



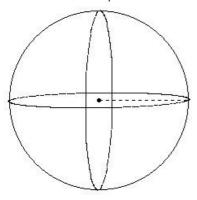
(i) 1287.71 sq.cm (ii) 1577.71 sq.cm (iii) 1357.71 sq.cm (iv) 1507.71 sq.cm (v) 1227.71 sq.cm

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



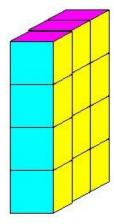
(i) 366.00 cu.cm (ii) 343.00 cu.cm (iii) 326.00 cu.cm (iv) 325.00 cu.cm (v) 361.00 cu.cm

10. If the T.S.A of a sphere is 1521.14 sq.cm, its volume is



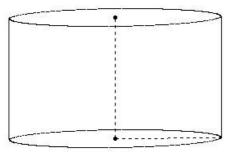
(i) 5307.52 cu.cm (ii) 5577.52 cu.cm (iii) 5437.52 cu.cm (iv) 5737.52 cu.cm (v) 5827.52 cu.cm

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



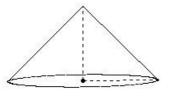
(i) 13 cu.cm (ii) 14 cu.cm (iii) 10 cu.cm (iv) 11 cu.cm (v) 12 cu.cm

12. If the radius of a cylinder is 13.00 cm and L.S.A is 1225.71 sq.cm, its volume is



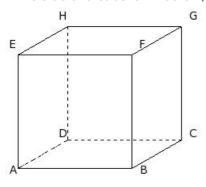
(i) 7967.14 cu.cm (ii) 7907.14 cu.cm (iii) 8037.14 cu.cm (iv) 8247.14 cu.cm (v) 7827.14 cu.cm

13. If the slant height of a cone is 12.73 cm and L.S.A is 360.08 sq.cm, its base radius is



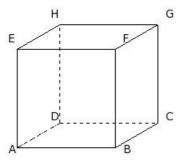
(i) 7.00 cm (ii) 11.00 cm (iii) 8.00 cm (iv) 9.00 cm (v) 10.00 cm

14. If the side of a cube is 14.00 cm, its T.S.A is



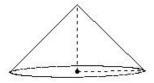
(i) 906.00 sq.cm (ii) 1036.00 sq.cm (iii) 1396.00 sq.cm (iv) 1196.00 sq.cm (v) 1176.00 sq.cm

15. If the volume of a cube is 1728.00 cu.cm, its T.S.A is



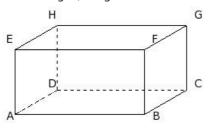
(i) 864.00 sq.cm (ii) 876.00 sq.cm (iii) 850.00 sq.cm (iv) 841.00 sq.cm

16. If the base radius of a cone is 8.00 cm and vertical height is 8.00 cm, its base area is



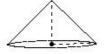
(i) 183.14 sq.cm (ii) 218.14 sq.cm (iii) 201.14 sq.cm (iv) 216.14 sq.cm (v) 184.14 sq.cm

17. If the length, height and L.S.A of a cuboid are 16.00 cm, 8.00 cm and 448.00 sq.cm respectively, its T.S.A is



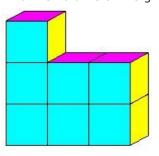
(i) 848.00 sq.cm (ii) 856.00 sq.cm (iii) 817.00 sq.cm (iv) 832.00 sq.cm (v) 814.00 sq.cm

18. If the base radius of a cone is 5.00 cm and T.S.A is 189.67 sq.cm, its base area is



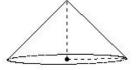
(i) 73.57 sq.cm (ii) 78.57 sq.cm (iii) 81.57 sq.cm (iv) 83.57 sq.cm (v) 75.57 sq.cm

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



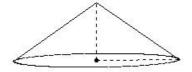
(i) 6 cu.cm (ii) 8 cu.cm (iii) 5 cu.cm (iv) 9 cu.cm (v) 7 cu.cm

20. If the slant height of a cone is 9.90 cm and vertical height is 7.00 cm, its base area is



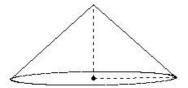
(i) 180.00 sq.cm (ii) 168.00 sq.cm (iii) 142.00 sq.cm (iv) 146.00 sq.cm (v) 154.00 sq.cm

21. If the base radius of a cone is 10.00 cm and volume is 733.33 cu.cm, its vertical height is



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

22. If the base radius of a cone is 10.00 cm and T.S.A is 737.00 sq.cm, its slant height is



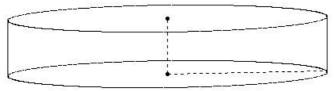
(i) 18.45 cm (ii) 13.45 cm (iii) 10.45 cm (iv) 16.45 cm (v) 8.45 cm

23. If the height of a cylinder is 5.00 cm and volume is 5091.43 cu.cm, its L.S.A. is



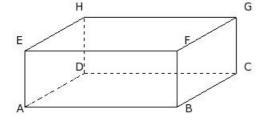
(i) 565.71 sq.cm (ii) 579.71 sq.cm (iii) 582.71 sq.cm (iv) 563.71 sq.cm (v) 541.71 sq.cm

24. If the radius of a cylinder is 20.00 cm and volume is 8800.00 cu.cm, its L.S.A. is



(i) 892.00 sq.cm (ii) 856.00 sq.cm (iii) 888.00 sq.cm (iv) 863.00 sq.cm (v) 880.00 sq.cm

25. If the length, breadth and L.S.A of a cuboid are 19.00 cm, 17.00 cm and 504.00 sq.cm respectively, its T.S.A is



(i) 1070.00 sq.cm (ii) 1010.00 sq.cm (iii) 1220.00 sq.cm (iv) 1300.00 sq.cm (v) 1150.00 sq.cm

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

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