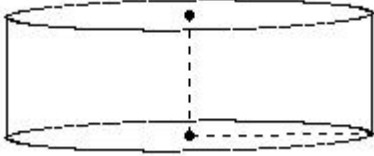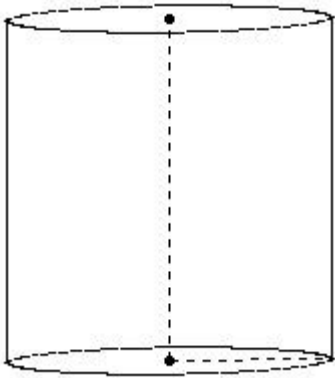# EduSahara™ Learning Center Assignment

Grade   **: Class IX, CBSE**
Chapter : Surface Areas and Volumes
Name   **: Cylinder**

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1. If the height of a cylinder is 6.00 cm and L.S.A is 339.43 sq.cm, its radius is
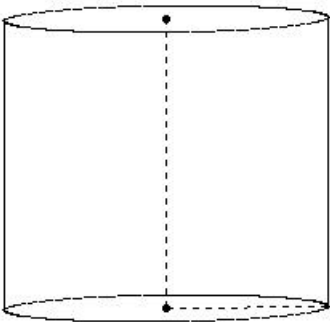

  (i) 10.00 cm (ii) 11.00 cm (iii) 9.00 cm (iv) 7.00 cm (v) 8.00 cm

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2. If the height of a cylinder is 17.00 cm and L.S.A is 854.86 sq.cm, its base area is
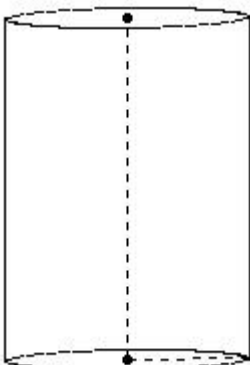

  (i) 217.14 sq.cm (ii) 201.14 sq.cm (iii) 176.14 sq.cm (iv) 223.14 sq.cm (v) 187.14 sq.cm

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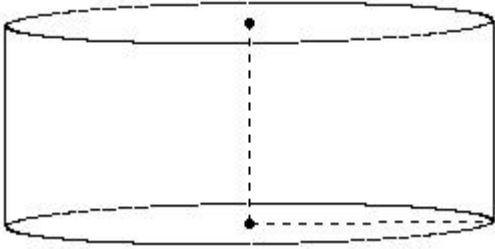3. If the height of a cylinder is 18.00 cm and L.S.A is 1131.43 sq.cm, its T.S.A is

  (i) 1890.00 sq.cm (ii) 1760.00 sq.cm (iii) 2000.00 sq.cm (iv) 1710.00 sq.cm (v) 1580.00 sq.cm

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4. If the height of a cylinder is 17.00 cm and L.S.A is 641.14 sq.cm, its volume is
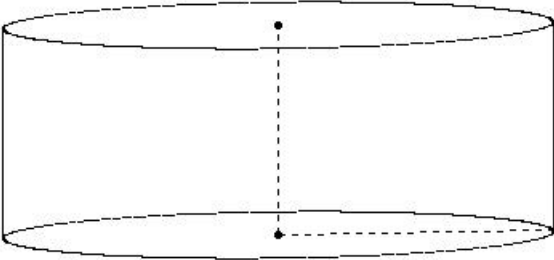
(i) 2103.43 cu.cm (ii) 1873.43 cu.cm (iii) 2093.43 cu.cm (iv) 1783.43 cu.cm (v) 1923.43 cu.cm

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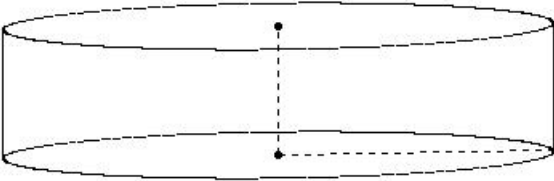5. If the height of a cylinder is 10.00 cm and T.S.A is 1659.43 sq.cm, its radius is

(i) 7.00 cm (ii) 12.00 cm (iii) 15.00 cm (iv) 9.00 cm (v) 17.00 cm

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6. If the height of a cylinder is 13.00 cm and T.S.A is 3205.71 sq.cm, its base area is
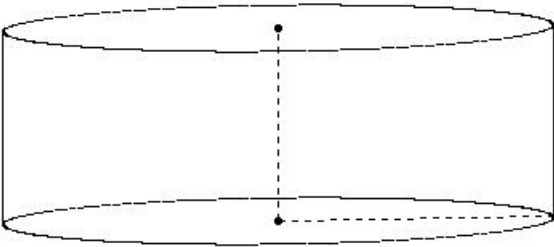

(i) 908.29 sq.cm (ii) 892.29 sq.cm (iii) 895.29 sq.cm (iv) 926.29 sq.cm (v) 930.29 sq.cm

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7. If the height of a cylinder is 8.00 cm and T.S.A is 2671.43 sq.cm, its L.S.A. is
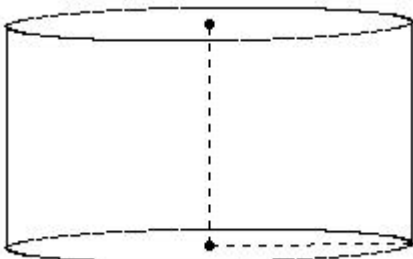

(i) 841.86 sq.cm (ii) 879.86 sq.cm (iii) 854.86 sq.cm (iv) 848.86 sq.cm (v) 870.86 sq.cm

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8. If the height of a cylinder is 12.00 cm and T.S.A is 3098.86 sq.cm, its volume is

(i) 9199.43 cu.cm (ii) 13599.43 cu.cm (iii) 9099.43 cu.cm (iv) 10899.43 cu.cm (v) 11399.43 cu.cm

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9. If the height of a cylinder is 11.00 cm and volume is 3457.14 cu.cm, its radius is

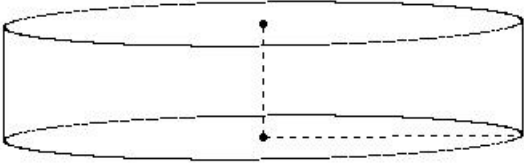(i)   (ii)   (iii)   (iv)   (v)
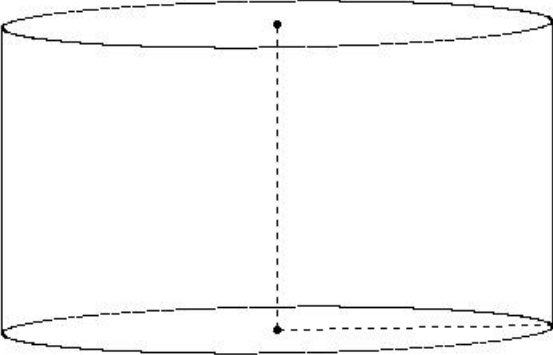
13.00 cm   5.00 cm   15.00 cm   10.00 cm   7.00 cm

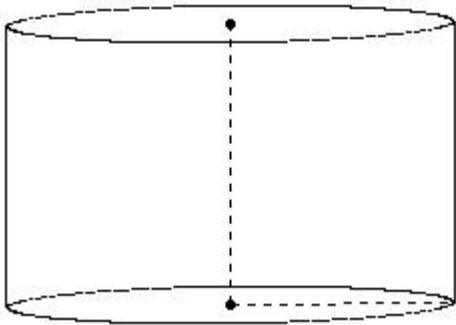10. If the height of a cylinder is 7.00 cm and volume is 5632.00 cu.cm, its base area is

(i) 816.57 sq.cm (ii) 804.57 sq.cm (iii) 817.57 sq.cm (iv) 788.57 sq.cm (v) 802.57 sq.cm

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11. If the height of a cylinder is 19.00 cm and volume is 17257.43 cu.cm, its L.S.A. is
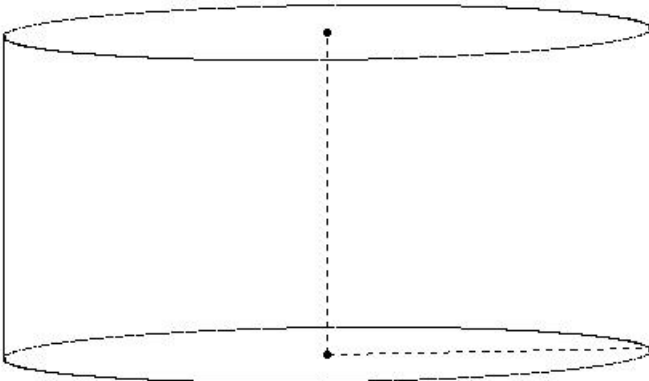

(i) 2200.29 sq.cm (ii) 1860.29 sq.cm (iii) 2150.29 sq.cm (iv) 1950.29 sq.cm (v) 2030.29 sq.cm

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12. If the height of a cylinder is 14.00 cm and volume is 5324.00 cu.cm, its T.S.A is
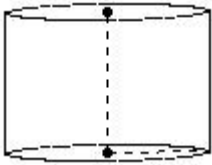

(i) 1568.57 sq.cm (ii) 1898.57 sq.cm (iii) 1728.57 sq.cm (iv) 1708.57 sq.cm (v) 1848.57 sq.cm

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13. If the radius of a cylinder is 20.00 cm and height is 20.00 cm, its base area is
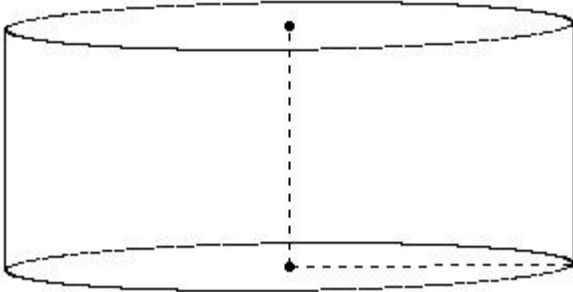

(i) 1257.14 sq.cm (ii) 1377.14 sq.cm (iii) 1207.14 sq.cm (iv) 1387.14 sq.cm (v) 977.14 sq.cm

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14. If the radius of a cylinder is 5.00 cm and height is 7.00 cm, its L.S.A. is
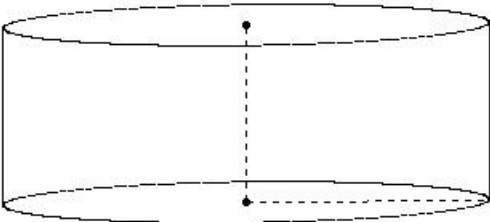
(i) 223.00 sq.cm (ii) 237.00 sq.cm (iii) 208.00 sq.cm (iv) 220.00 sq.cm

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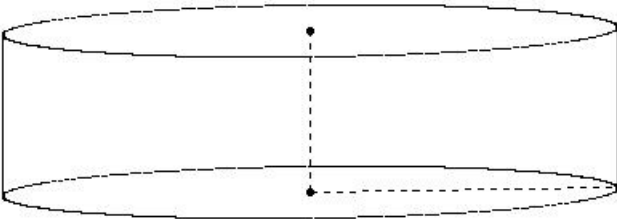15. If the radius of a cylinder is 14.00 cm and height is 12.00 cm, its T.S.A is

(i) 2448.00 sq.cm (ii) 2118.00 sq.cm (iii) 2318.00 sq.cm (iv) 2268.00 sq.cm (v) 2288.00 sq.cm

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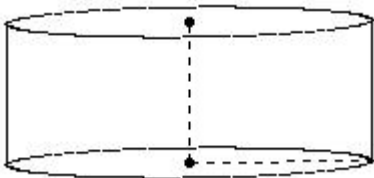16. If the radius of a cylinder is 15.00 cm and height is 11.00 cm, its volume is

(i) 7778.57 cu.cm (ii) 7908.57 cu.cm (iii) 7598.57 cu.cm (iv) 7838.57 cu.cm

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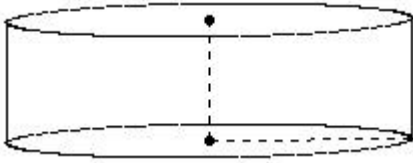17. If the radius of a cylinder is 19.00 cm and L.S.A is 1194.29 sq.cm, its height is

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

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18. If the radius of a cylinder is 9.00 cm and L.S.A is 396.00 sq.cm, its base area is
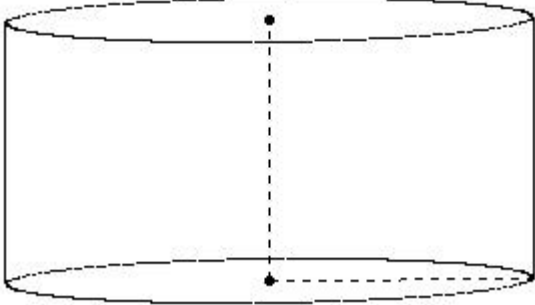
(i) 281.57 sq.cm (ii) 269.57 sq.cm (iii) 254.57 sq.cm (iv) 236.57 sq.cm

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19. If the radius of a cylinder is 10.00 cm and L.S.A is 377.14 sq.cm, its T.S.A is
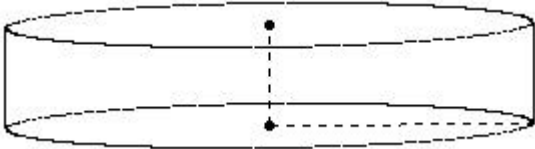
(i) 1085.71 sq.cm (ii) 955.71 sq.cm (iii) 1005.71 sq.cm (iv) 745.71 sq.cm (v) 1125.71 sq.cm

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20. If the radius of a cylinder is 13.00 cm and L.S.A is 1062.29 sq.cm, its volume is
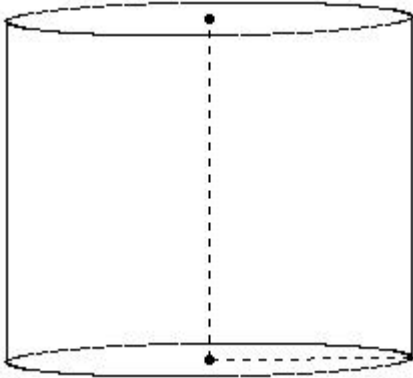

(i) 6774.86 cu.cm (ii) 6904.86 cu.cm (iii) 7044.86 cu.cm (iv) 6834.86 cu.cm (v) 6924.86 cu.cm

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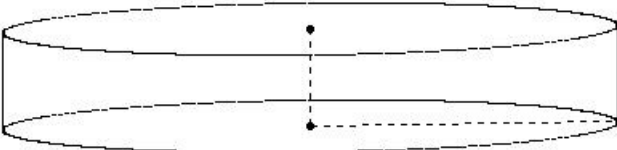21. If the radius of a cylinder is 13.00 cm and T.S.A is 1470.86 sq.cm, its height is

(i) 5.00 cm (ii) 7.00 cm (iii) 6.00 cm (iv) 3.00 cm (v) 4.00 cm

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22. If the radius of a cylinder is 10.00 cm and T.S.A is 1697.14 sq.cm, its base area is
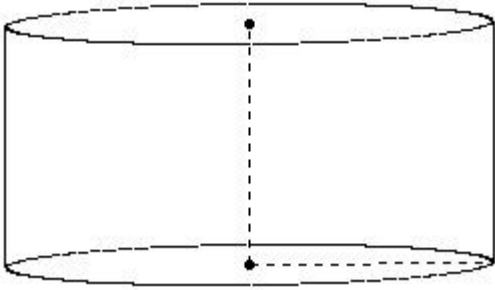

(i) 328.29 sq.cm (ii) 306.29 sq.cm (iii) 301.29 sq.cm (iv) 340.29 sq.cm (v) 314.29 sq.cm

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23. If the radius of a cylinder is 19.00 cm and T.S.A is 2985.71 sq.cm, its L.S.A. is
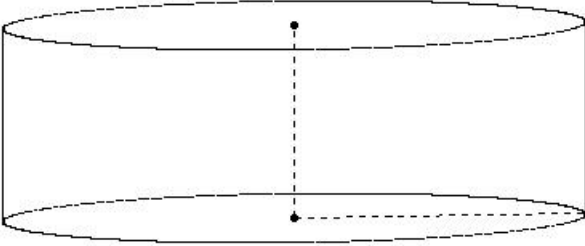

(i) 729.57 sq.cm (ii) 700.57 sq.cm (iii) 721.57 sq.cm (iv) 708.57 sq.cm (v) 716.57 sq.cm

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24. If the radius of a cylinder is 12.00 cm and T.S.A is 1810.29 sq.cm, its volume is
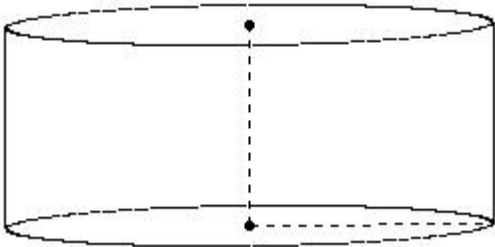
(i) 5430.86 cu.cm (ii) 5470.86 cu.cm (iii) 5280.86 cu.cm (iv) 5370.86 cu.cm (v) 5550.86 cu.cm

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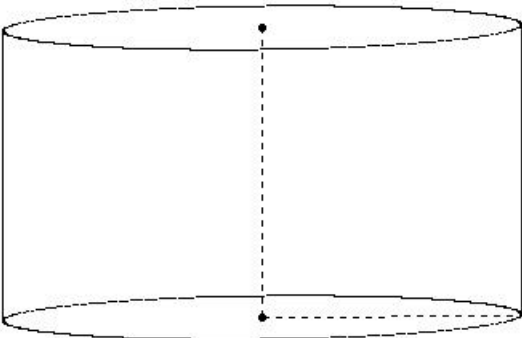25. If the radius of a cylinder is 18.00 cm and volume is 12219.43 cu.cm, its height is

(i) 7.00 cm (ii) 15.00 cm (iii) 17.00 cm (iv) 12.00 cm (v) 9.00 cm

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26. If the radius of a cylinder is 12.00 cm and volume is 4525.71 cu.cm, its base area is
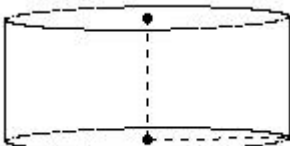

(i) 467.57 sq.cm (ii) 452.57 sq.cm (iii) 435.57 sq.cm (iv) 428.57 sq.cm (v) 478.57 sq.cm

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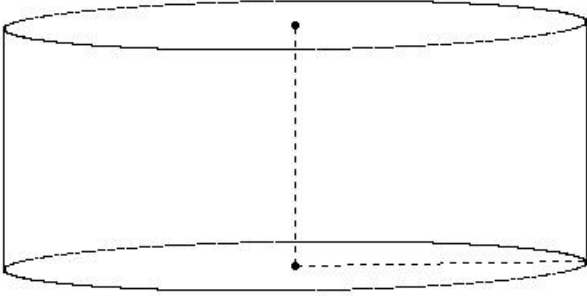27. If the radius of a cylinder is 16.00 cm and volume is 14482.29 cu.cm, its L.S.A. is

(i) 1810.29 sq.cm (ii) 1640.29 sq.cm (iii) 1880.29 sq.cm (iv) 2090.29 sq.cm (v) 1650.29 sq.cm

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28. If the radius of a cylinder is 7.00 cm and volume is 924.00 cu.cm, its T.S.A is
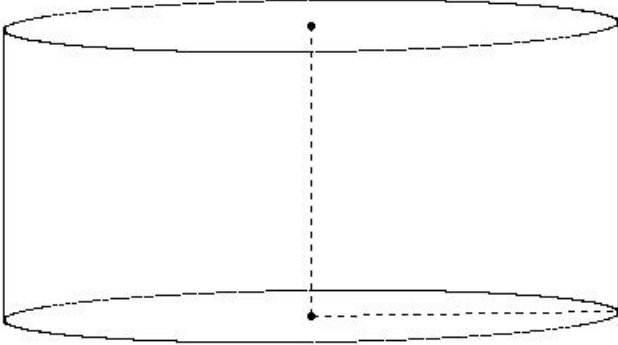

(i) 572.00 sq.cm (ii) 599.00 sq.cm (iii) 558.00 sq.cm (iv) 560.00 sq.cm (v) 579.00 sq.cm

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29. If the height of a cylinder is 15.00 cm and base area is 1018.29 sq.cm, its radius is
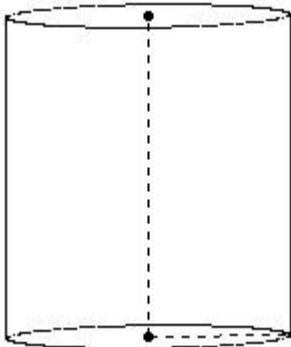
(i) 18.00 cm (ii) 23.00 cm (iii) 21.00 cm (iv) 15.00 cm (v) 13.00 cm

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30. If the height of a cylinder is 18.00 cm and base area is 1134.57 sq.cm, its L.S.A. is
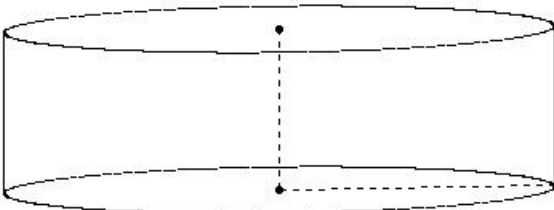
(i) 2329.71 sq.cm (ii) 1989.71 sq.cm (iii) 2109.71 sq.cm (iv) 2299.71 sq.cm (v) 2149.71 sq.cm

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31. If the height of a cylinder is 16.00 cm and base area is 154.00 sq.cm, its T.S.A is

(i) 1012.00 sq.cm (ii) 1142.00 sq.cm (iii) 872.00 sq.cm (iv) 832.00 sq.cm (v) 1232.00 sq.cm

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32. If the height of a cylinder is 10.00 cm and base area is 908.29 sq.cm, its volume is

(i) 9162.86 cu.cm (ii) 9082.86 cu.cm (iii) 8912.86 cu.cm (iv) 9232.86 cu.cm (v) 8942.86 cu.cm

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Assignment Key

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