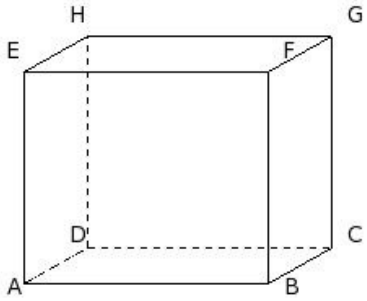
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Mensuration

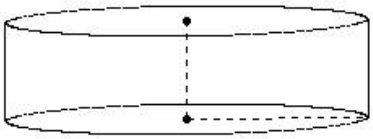
Grade : CBSE Grade VIII

1. If the breadth, height and volume of a cuboid are 9.00 cm, 13.00 cm and 1755.00 cu.cm respectively, its T.S.A is



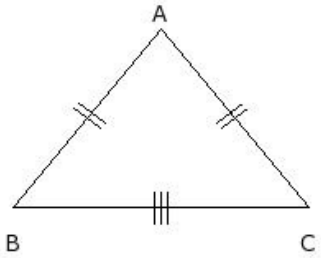
(i) 888.00 sq.cm (ii) 877.00 sq.cm (iii) 894.00 sq.cm (iv) 909.00 sq.cm (v) 898.00 sq.cm

2. If the radius of a cylinder is 11.00 cm and height is 6.00 cm, its T.S.A is



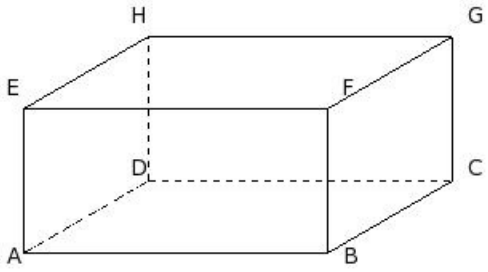
(i) 1055.43 sq.cm (ii) 1255.43 sq.cm (iii) 1175.43 sq.cm (iv) 1345.43 sq.cm (v) 1015.43 sq.cm

3. In an isosceles triangle △ABC, if BC = 18 cm, CA = AB and perimeter is 46 cm, then side AB =



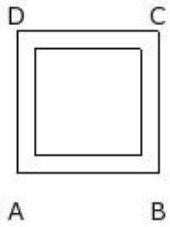
(i) 17.00 cm (ii) 11.00 cm (iii) 9.00 cm (iv) 14.00 cm (v) 19.00 cm

4. If the length, breadth and volume of a cuboid are 19.00 cm, 18.00 cm and 3078.00 cu.cm respectively, its T.S.A is



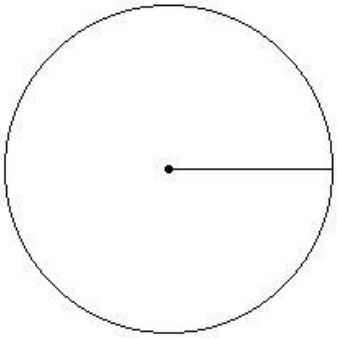
(i) 1590.00 sq.cm (ii) 1350.00 sq.cm (iii) 1530.00 sq.cm (iv) 1190.00 sq.cm (v) 1180.00 sq.cm

5. If the width of a square path is 1.00 cm and outer side is 8.00 cm, the area of the square path =



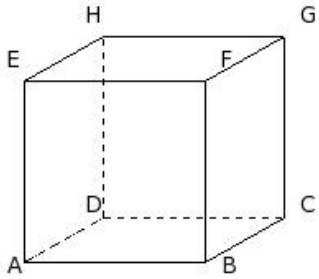
(i) 25.00 sq.cm (ii) 33.00 sq.cm (iii) 28.00 sq.cm (iv) 23.00 sq.cm (v) 31.00 sq.cm

6. If radius of the circle is 10.00 cm, the circumference of the circle is



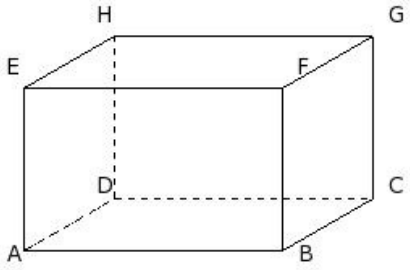
(i) 65.86 cm (ii) 67.86 cm (iii) 59.86 cm (iv) 57.86 cm (v) 62.86 cm

7. If the side of a cube is 11.00 cm, its volume is



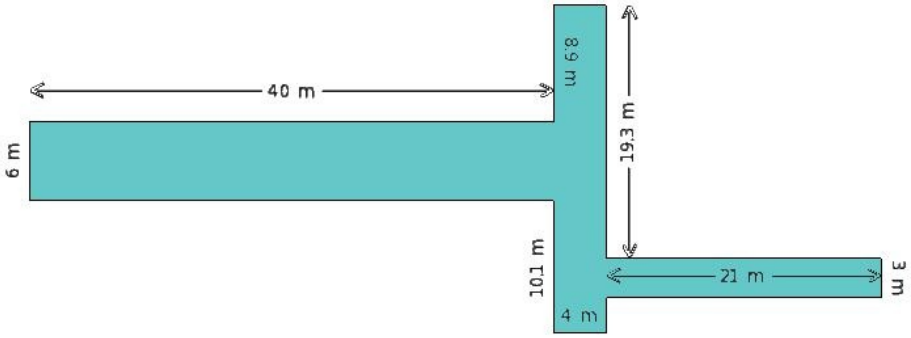
(i) 1211.00 cu.cm (ii) 1611.00 cu.cm (iii) 1331.00 cu.cm (iv) 1171.00 cu.cm (v) 1491.00 cu.cm

8. If the breadth, height and T.S.A of a cuboid are 13.00 cm, 10.00 cm and 996.00 sq.cm respectively, its volume is



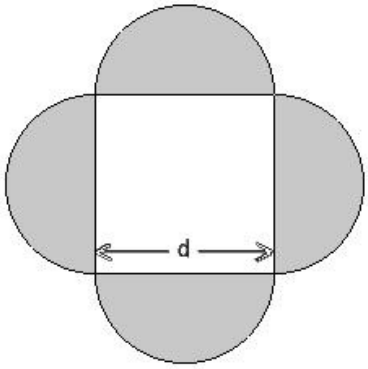
(i) 2230.00 cu.cm (ii) 2080.00 cu.cm (iii) 1820.00 cu.cm (iv) 1910.00 cu.cm (v) 2140.00 cu.cm

9. Find the area of the shaded region given below



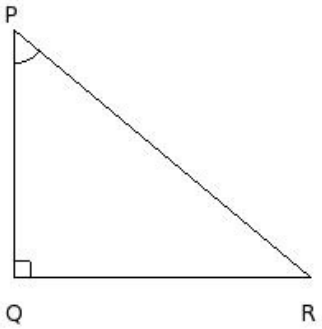
(i) 420.00 sq.m (ii) 375.00 sq.m (iii) 403.00 sq.m (iv) 406.00 sq.m (v) 398.00 sq.m

10. In the given figure, d = 11.00 cm is the diameter of the semi-circles. Find the area of the shaded region



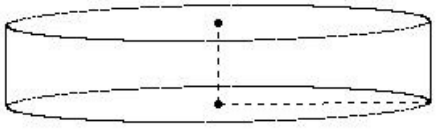
(i) 178.14 sq.cm (ii) 175.14 sq.cm (iii) 208.14 sq.cm (iv) 217.14 sq.cm (v) 190.14 sq.cm

11. In a right angled triangle △PQR, if the base QR = 18 cm and the corresponding height is 15 cm, then area of the triangle =



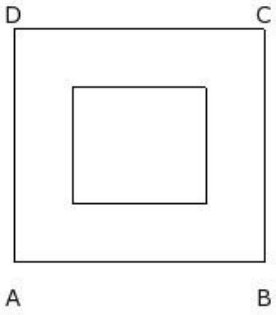
(i) 135.00 sq.cm (ii) 141.00 sq.cm (iii) 133.00 sq.cm (iv) 110.00 sq.cm (v) 161.00 sq.cm

12. If the radius of a cylinder is 13.00 cm and L.S.A is 408.57 sq.cm, its height is



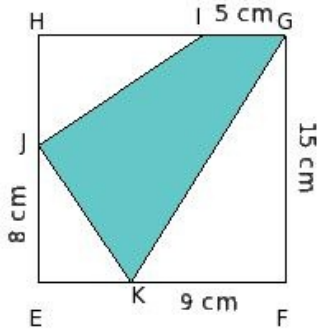
(i) 5.00 cm (ii) 4.00 cm (iii) 7.00 cm (iv) 6.00 cm (v) 3.00 cm

13. If the outer length, inner breadth and width of a rectangular path are 15.00 cm, 7.00 cm and 3.50 cm respectively, the area of the outer rectangle of the rectangular path =



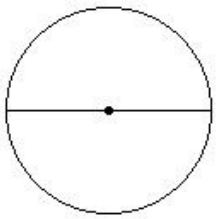
(i) 183.00 sq.cm (ii) 217.00 sq.cm (iii) 228.00 sq.cm (iv) 210.00 sq.cm (v) 206.00 sq.cm

14. Find the area of the shaded region in the adjoining figure, given that EFGH is a square of side 15 cm, GI = 5 cm, JE = 8 cm and FK = 9 cm



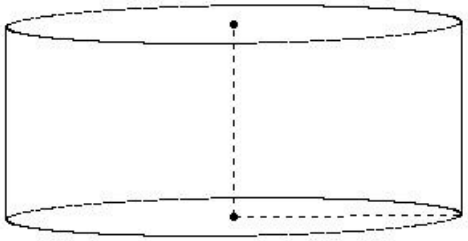
(i) 97.50 sq.cm (ii) 98.50 sq.cm (iii) 96.50 sq.cm (iv) 99.50 sq.cm (v) 100.50 sq.cm

15. If diameter of the circle is 12.00 cm, the perimeter of the semicircle is



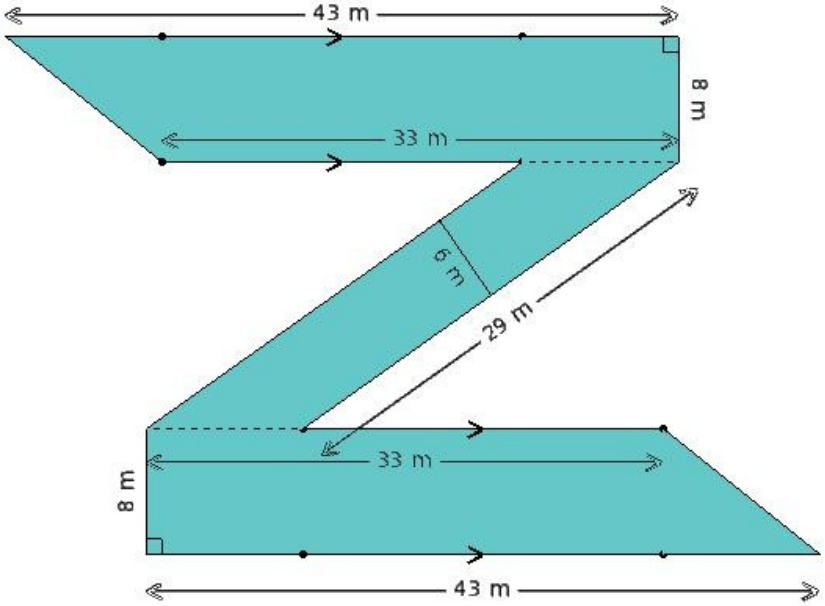
(i) 25.86 cm (ii) 33.86 cm (iii) 27.86 cm (iv) 35.86 cm (v) 30.86 cm

16. If the height of a cylinder is 12.00 cm and base area is 616.00 sq.cm, its volume is



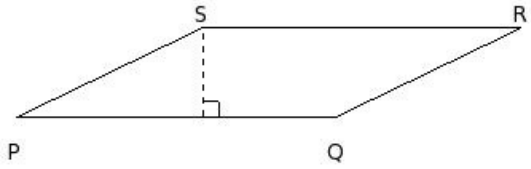
(i) 7152.00 cu.cm (ii) 7412.00 cu.cm (iii) 7392.00 cu.cm (iv) 7622.00 cu.cm (v) 7222.00 cu.cm

17. Find the area of the shaded region



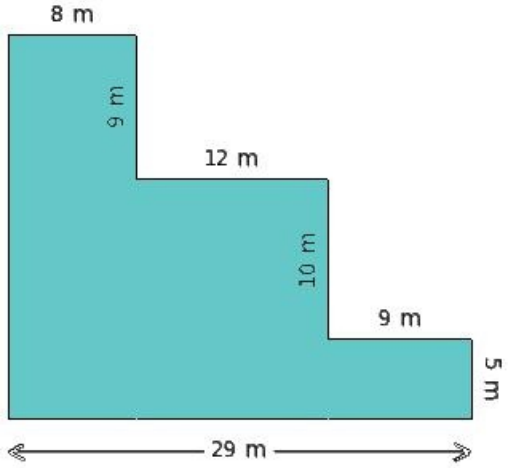
(i) 782.00 sq.m (ii) 780.00 sq.m (iii) 784.00 sq.m (iv) 783.00 sq.m (v) 781.00 sq.m

18. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 5.61 cm and area is 112.20 sq.cm, the base of the parallelogram PQ =



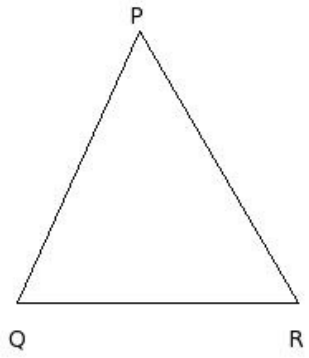
(i) 17.00 cm (ii) 23.00 cm (iii) 20.00 cm (iv) 25.00 cm (v) 15.00 cm

19. Find the area of the shaded region given below



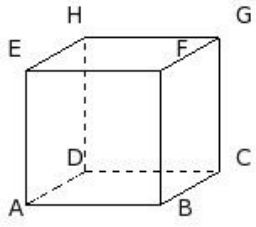
(i) 417.00 sq.m (ii) 392.00 sq.m (iii) 421.00 sq.m (iv) 403.00 sq.m (v) 430.00 sq.m

20. In △PQR, if QR = 17 cm, RP = 19 cm, PQ = 18 cm, then perimeter of the triangle =



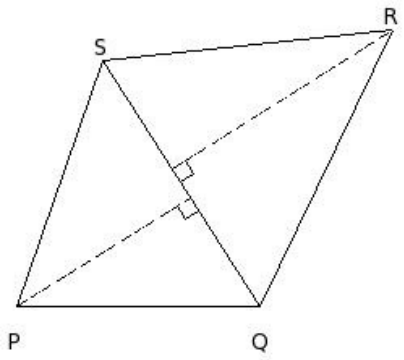
(i) 51.00 cm (ii) 57.00 cm (iii) 49.00 cm (iv) 59.00 cm (v) 54.00 cm

21. If the L.S.A of a cube is 256.00 sq.cm, its side is



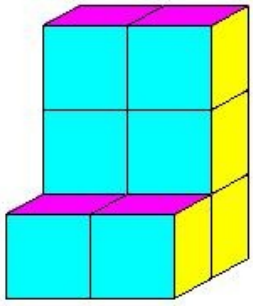
(i) 6.00 cm (ii) 10.00 cm (iii) 7.00 cm (iv) 9.00 cm (v) 8.00 cm

22. In quadrilateral PQRS, if diagonal QS = 18.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 12.60 cm and 16.14 cm respectively, then area of the quadrilateral =



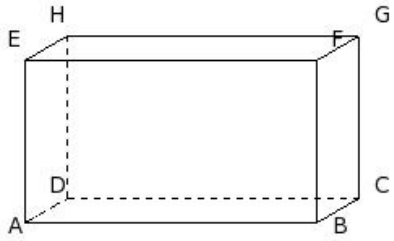
(i) 262.66 sq.cm (ii) 243.66 sq.cm (iii) 258.66 sq.cm (iv) 244.66 sq.cm (v) 275.66 sq.cm

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



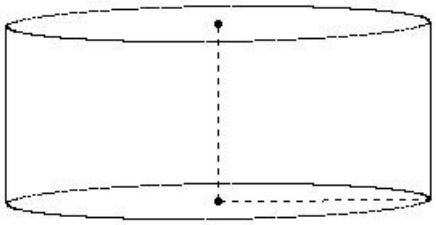
(i) 9 cu.cm (ii) 8 cu.cm (iii) 7 cu.cm (iv) 6 cu.cm (v) 10 cu.cm

24. If the length, height and volume of a cuboid are 18.00 cm, 10.00 cm and 1080.00 cu.cm respectively, its L.S.A is



(i) 466.00 sq.cm (ii) 495.00 sq.cm (iii) 492.00 sq.cm (iv) 480.00 sq.cm (v) 462.00 sq.cm

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



(i) 2241.14 sq.cm (ii) 2031.14 sq.cm (iii) 1801.14 sq.cm (iv) 1961.14 sq.cm

Assignment Key

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