EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Perimeter and Area

Grade : CBSE Grade VII

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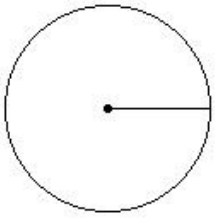
1. If circumference of the circle is 37.71 cm, the radius of the circle is

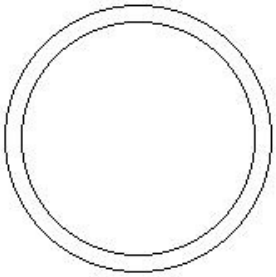


(i) 4.00 cm (ii) 8.00 cm (iii) 5.00 cm (iv) 6.00 cm (v) 7.00 cm

2. 695321.3495 sq.cm =

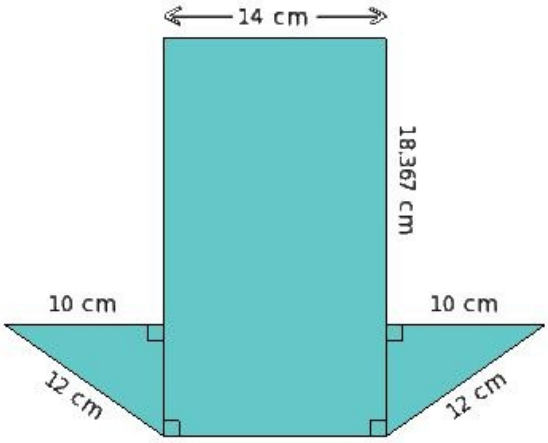
(i) 68.53213 sq.m (ii) 67.53213 sq.m (iii) 70.53213 sq.m (iv) 71.53213 sq.m (v) 69.53213 sq.m

3. If the width of the ring is 1.00 cm and inner radius is 7.00 cm, the outer circle area is



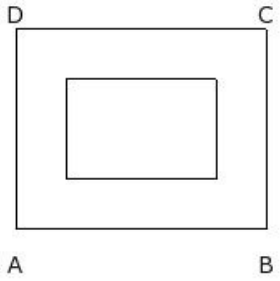
(i) 201.14 sq.cm (ii) 207.14 sq.cm (iii) 176.14 sq.cm (iv) 189.14 sq.cm (v) 224.14 sq.cm

4. Find the area of the shaded region



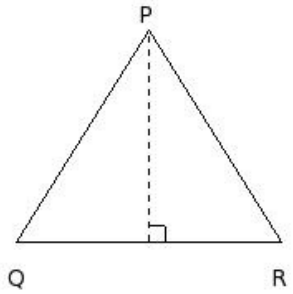
(i) 416.33 sq.cm (ii) 415.33 sq.cm (iii) 417.33 sq.cm (iv) 418.33 sq.cm (v) 414.33 sq.cm

5. If the inner length, outer breadth and area of the inner rectangle of a rectangular path are 9.00 cm, 12.00 cm and 54.00 sq.cm respectively, the area of the outer rectangle of the rectangular path =



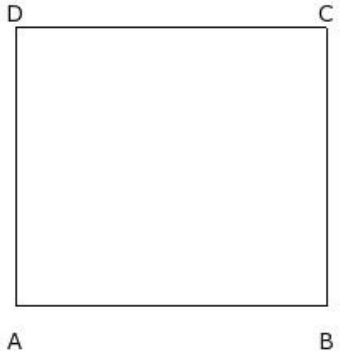
(i) 207.00 sq.cm (ii) 156.00 sq.cm (iii) 164.00 sq.cm (iv) 180.00 sq.cm (v) 188.00 sq.cm

6. In △PQR, if base QR = 16 cm and the corresponding height of side QR = 12.69 cm, then area of the triangle =



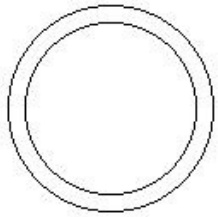
(i) 98.51 sq.cm (ii) 101.51 sq.cm (iii) 83.51 sq.cm (iv) 108.51 sq.cm (v) 127.51 sq.cm

7. If the breadth and perimeter of a rectangle are 17.00 cm and 72.00 cm respectively, the length of the rectangle =



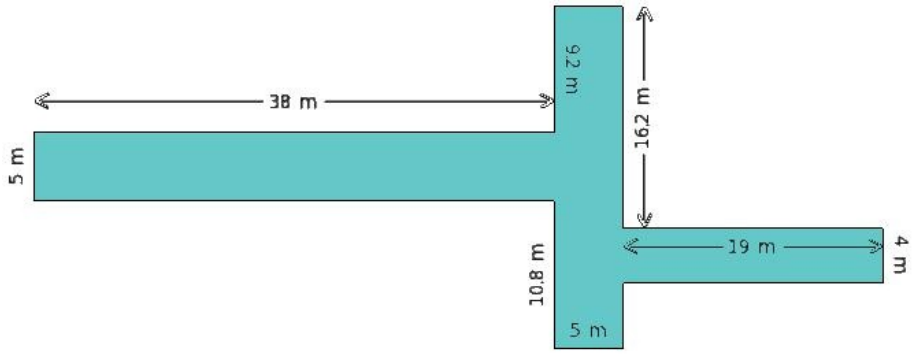
(i) 14.00 cm (ii) 22.00 cm (iii) 24.00 cm (iv) 16.00 cm (v) 19.00 cm

8. If the inner and outer radii of a ring are 5.00 cm and 6.00 cm respectively, the area of the ring is



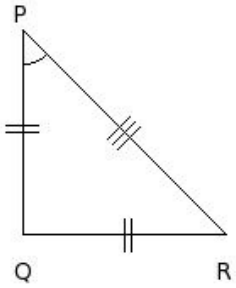
(i) 29.57 sq.cm (ii) 31.57 sq.cm (iii) 34.57 sq.cm (iv) 37.57 sq.cm (v) 39.57 sq.cm

9. Find the perimeter of the shaded region given below



(i) 160.00 m (ii) 179.00 m (iii) 190.00 m (iv) 157.00 m (v) 174.00 m

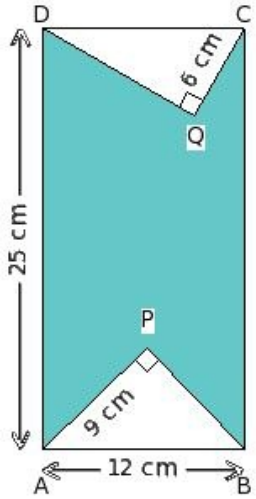
10. In an isosceles right angled triangle △PQR, if area = 72 sq.cm, then corresponding height of side PQ =



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

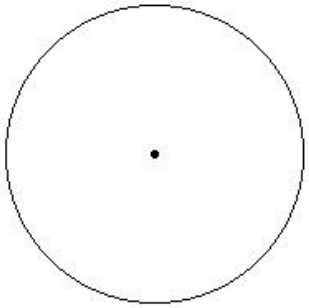
In the given figure, ABCD is a rectangle in which AB = 12 cm and DA = 25 cm.

11. Also, △PAB and △QCD are the right angled triangles in which ∠BPA = ∠DQC = 90°, PA = 9 cm and QC = 6 cm. Find the area of the shaded region



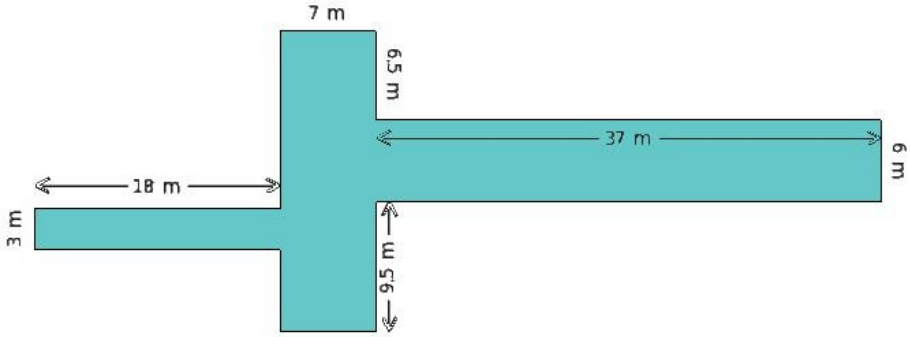
(i) 233.11 sq.cm (ii) 231.11 sq.cm (iii) 232.11 sq.cm (iv) 234.11 sq.cm (v) 235.11 sq.cm

12. If area of the circle is 254.57 sq.cm, the perimeter of the semicircle is



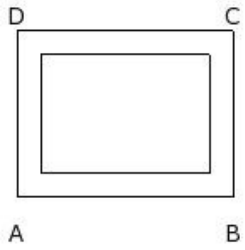
(i) 41.29 cm (ii) 51.29 cm (iii) 49.29 cm (iv) 43.29 cm (v) 46.29 cm

13. Find the perimeter of the shaded region given below



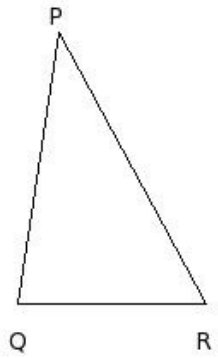
(i) 166.00 m (ii) 168.00 m (iii) 183.00 m (iv) 146.00 m (v) 185.00 m

14. If the inner length, inner breadth and width of a rectangular path are 10.00 cm, 7.00 cm and 1.40 cm respectively, the outer length of the rectangular path =



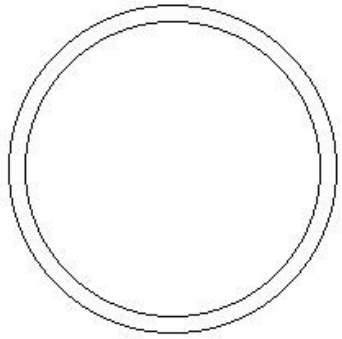
(i) 12.80 cm (ii) 15.80 cm (iii) 7.80 cm (iv) 9.80 cm (v) 17.80 cm

15. In △PQR, if QR = 11 cm, RP = 18 cm, PQ = 16 cm, then perimeter of the triangle =



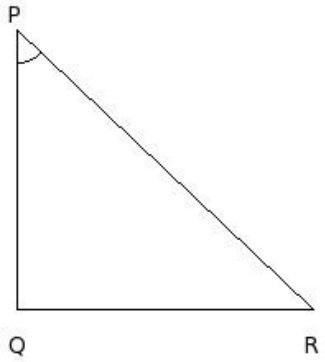
(i) 42.00 cm (ii) 48.00 cm (iii) 50.00 cm (iv) 40.00 cm (v) 45.00 cm

16. If the width of the ring is 1.00 cm and outer radius is 10.00 cm, the inner circle radius is



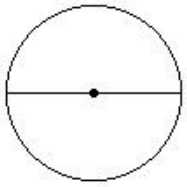
(i) 8.00 cm (ii) 10.00 cm (iii) 7.00 cm (iv) 11.00 cm (v) 9.00 cm

17. In a right angled triangle △PQR, if QR = 18 cm, PQ = 17 cm are the lengths of perpendicular sides , then corresponding height of side PQ =



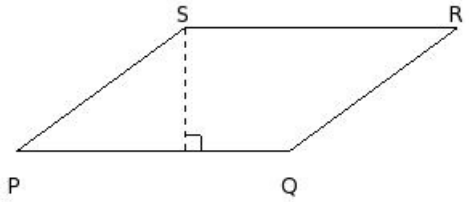
(i) 23.00 cm (ii) 18.00 cm (iii) 21.00 cm (iv) 15.00 cm (v) 13.00 cm

18. If diameter of the circle is 10.00 cm, the perimeter of the semicircle is



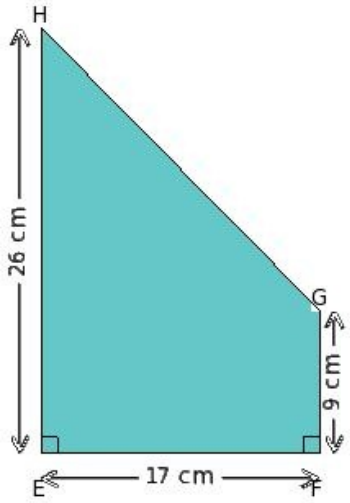
(i) 30.71 cm (ii) 28.71 cm (iii) 20.71 cm (iv) 22.71 cm (v) 25.71 cm

19. In parallelogram PQRS, if base PQ = 17.00 cm and the corresponding height is 7.62 cm, then area of the parallelogram =



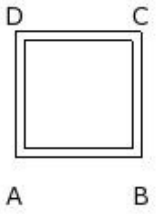
(i) 144.54 sq.cm (ii) 129.54 sq.cm (iii) 132.54 sq.cm (iv) 123.54 sq.cm (v) 117.54 sq.cm

20. Find the area of shaded region in the adjoining figure, given that EF = 17 cm, FG = 26 cm, EH = 9 cm and ∠HEF = ∠EFG = 90°.



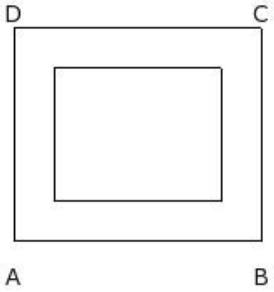
(i) 299.50 sq.cm (ii) 298.50 sq.cm (iii) 295.50 sq.cm (iv) 296.50 sq.cm (v) 297.50 sq.cm

21. If the outer and inner sides of a square path are 7.00 cm and 6.00 cm respectively, the width of the square path =



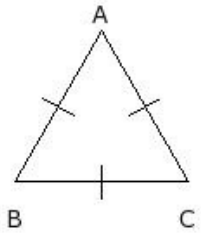
(i) 0.50 cm (ii) 7.50 cm (iii) 2.50 cm (iv) 1.50 cm (v) 8.50 cm

22. If the inner length, inner breadth and width of a rectangular path are 10.00 cm, 8.00 cm and 2.40 cm respectively, the area of the rectangular path =



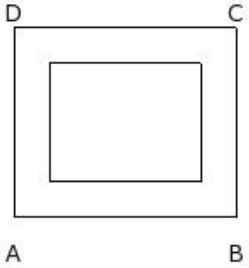
(i) 109.44 sq.cm (ii) 103.44 sq.cm (iii) 96.44 sq.cm (iv) 124.44 sq.cm (v) 135.44 sq.cm

23. If area of an equilateral triangle is 43.3 sq.cm, the perimeter of the equilateral triangle =



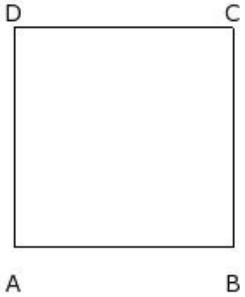
(i) 25.00 cm (ii) 30.00 cm (iii) 33.00 cm (iv) 35.00 cm (v) 27.00 cm

24. If the inner rectangle area, outer rectangle area and width of a rectangular path are 63.00 sq.cm, 147.84 sq.cm and 2.10 cm respectively, the area of the rectangular path =



(i) 81.84 sq.cm (ii) 89.84 sq.cm (iii) 87.84 sq.cm (iv) 84.84 sq.cm (v) 79.84 sq.cm

25. If the side of a square is 13.00 cm, the perimeter of the square =



(i) 52.00 cm (ii) 47.00 cm (iii) 57.00 cm (iv) 49.00 cm (v) 55.00 cm

Assignment Key

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

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