EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Area and Perimeter

Grade : SSC Grade VII

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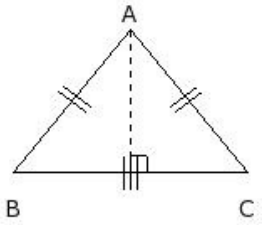
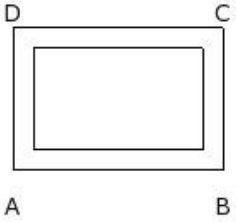
1. In an isosceles triangle △ABC, if base BC = 14 cm and the corresponding height is 8.49 cm, then area of the triangle =



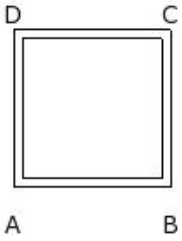
(i) 59.40 sq.cm (ii) 62.40 sq.cm (iii) 64.40 sq.cm (iv) 56.40 sq.cm (v) 54.40 sq.cm

2. If the outer length, inner breadth and area of the outer rectangle of a rectangular path are 12.40 cm, 6.00 cm and 104.16 sq.cm respectively, the area of the rectangular path =



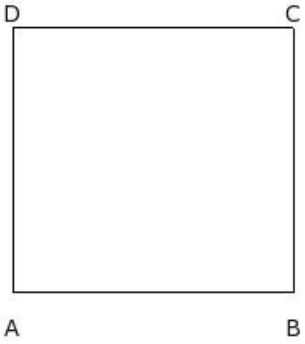
(i) 47.16 sq.cm (ii) 49.16 sq.cm (iii) 44.16 sq.cm (iv) 39.16 sq.cm (v) 41.16 sq.cm

3. If the areas of inner and outer squares of a square path are 64.00 sq.cm and 81.00 sq.cm respectively, the area of the square path =



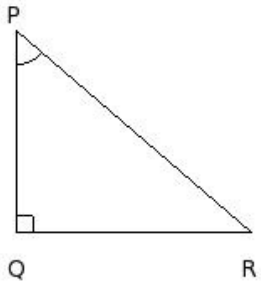
(i) 14.00 sq.cm (ii) 12.00 sq.cm (iii) 22.00 sq.cm (iv) 20.00 sq.cm (v) 17.00 sq.cm

4. If the length and area of a rectangle are 17.00 cm and 272.00 sq.cm respectively, the breadth of the rectangle =



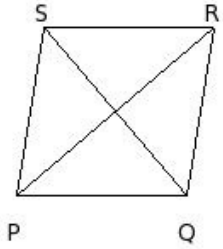
(i) 16.00 cm (ii) 11.00 cm (iii) 13.00 cm (iv) 19.00 cm (v) 21.00 cm

5. In a right angled triangle △PQR, if the base QR = 14 cm and the corresponding height is 12 cm, then corresponding height of side PQ =



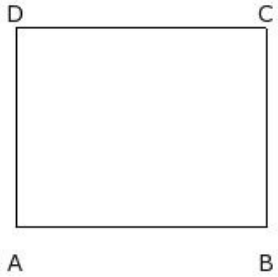
(i) 9.00 cm (ii) 19.00 cm (iii) 14.00 cm (iv) 11.00 cm (v) 17.00 cm

6. In rhombus PQRS, if one of the diagonals QS = 13.00 cm and area is 98.80 sq.cm, the diagonal PR =



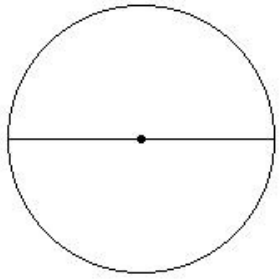
(i) 20.20 cm (ii) 18.20 cm (iii) 12.20 cm (iv) 10.20 cm (v) 15.20 cm

7. If the length and breadth of a rectangle are 15.00 cm and 12.00 cm respectively, the area of the rectangle =



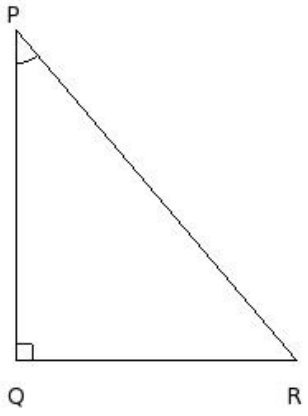
(i) 168.00 sq.cm (ii) 154.00 sq.cm (iii) 208.00 sq.cm (iv) 185.00 sq.cm (v) 180.00 sq.cm

8. If diameter of the circle is 16.00 cm, the circumference of the circle is



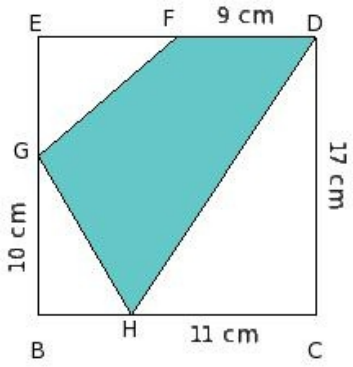
(i) 53.29 cm (ii) 47.29 cm (iii) 55.29 cm (iv) 45.29 cm (v) 50.29 cm

9. In a right angled triangle △PQR, if the base QR = 17 cm and the corresponding height is 20 cm, then side PQ =



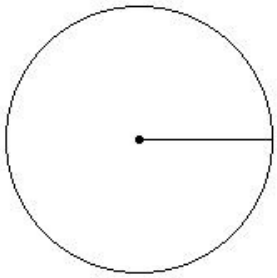
(i) 20.00 cm (ii) 23.00 cm (iii) 15.00 cm (iv) 17.00 cm (v) 25.00 cm

10. Find the area of the shaded region in the adjoining figure, given that BCDE is a square of side 17 cm, DF = 9 cm, GB = 10 cm and CH = 11 cm



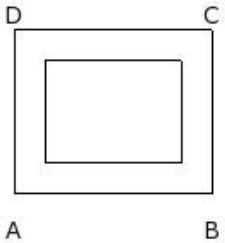
(i) 136.50 sq.cm (ii) 139.50 sq.cm (iii) 138.50 sq.cm (iv) 137.50 sq.cm (v) 135.50 sq.cm

11. If circumference of the circle is 50.29 cm, the radius of the circle is



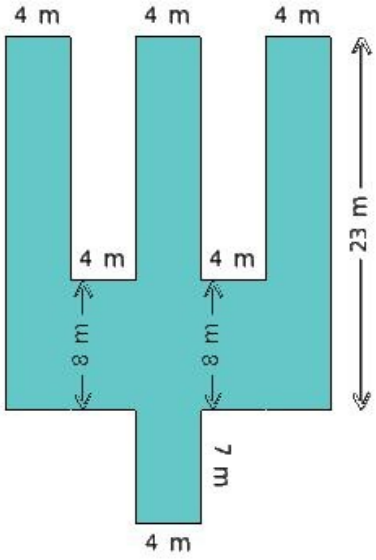
(i) 7.00 cm (ii) 6.00 cm (iii) 8.00 cm (iv) 9.00 cm (v) 10.00 cm

12. If the outer length, inner breadth and area of the outer rectangle of a rectangular path are 11.60 cm, 6.00 cm and 111.36 sq.cm respectively, the width of the rectangular path =



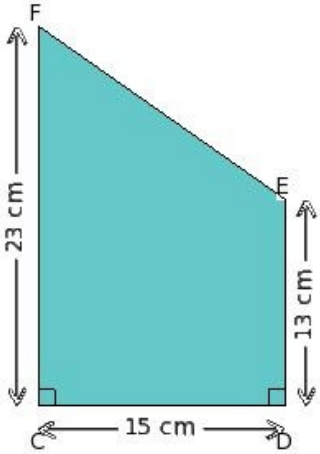
(i) 3.80 cm (ii) 1.80 cm (iii) 0.80 cm (iv) 2.80 cm (v) 9.80 cm

13. Find the area of the shaded region given below



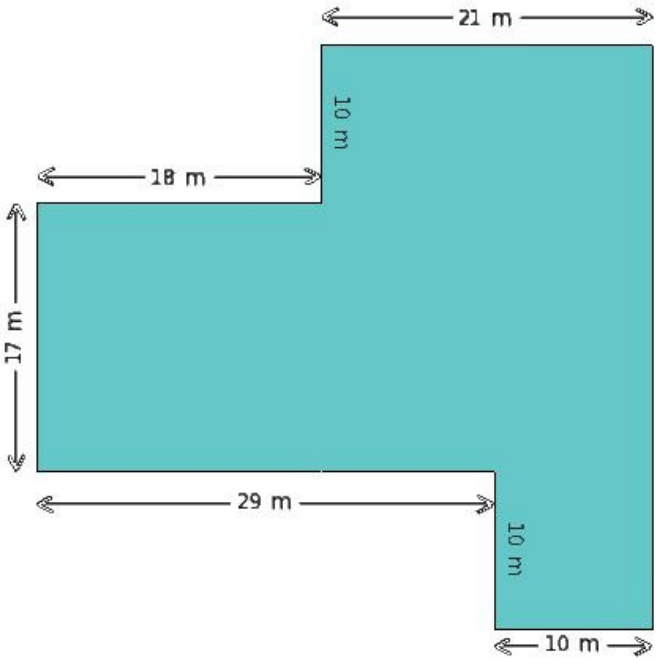
(i) 363.00 sq.m (ii) 351.00 sq.m (iii) 368.00 sq.m (iv) 396.00 sq.m (v) 380.00 sq.m

14. Find the area of shaded region in the adjoining figure, given that CD = 15 cm, DE = 23 cm, CF = 13 cm and ∠FCD = ∠CDE = 90°.



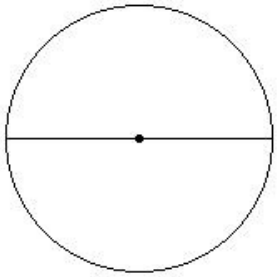
(i) 272.00 sq.cm (ii) 268.00 sq.cm (iii) 271.00 sq.cm (iv) 269.00 sq.cm (v) 270.00 sq.cm

15. Find the area of the shaded region given below



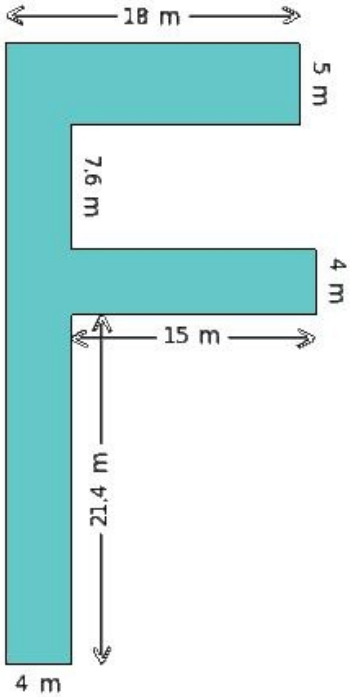
(i) 948.00 sq.m (ii) 987.00 sq.m (iii) 981.00 sq.m (iv) 973.00 sq.m (v) 956.00 sq.m

16. If radius of the circle is 8.00 cm, the diameter of the circle is



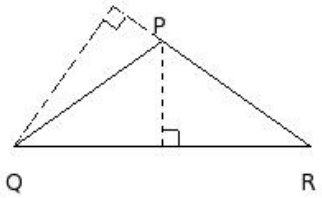
(i) 13.00 cm (ii) 19.00 cm (iii) 21.00 cm (iv) 16.00 cm (v) 11.00 cm

17. Find the perimeter of the shaded region given below



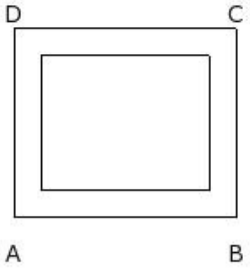
(i) 160.00 m (ii) 129.00 m (iii) 142.00 m (iv) 159.00 m (v) 138.00 m

18. In △PQR, if QR = 18 cm, RP = 11 cm and the corresponding height of side QR = 6.32 cm, then corresponding height of side RP =



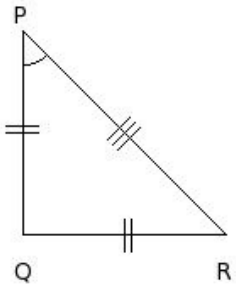
(i) 7.35 cm (ii) 13.35 cm (iii) 10.35 cm (iv) 15.35 cm (v) 5.35 cm

19. If the outer length, inner breadth and area of the inner rectangle of a rectangular path are 13.20 cm, 8.00 cm and 80.00 sq.cm respectively, the width of the rectangular path =



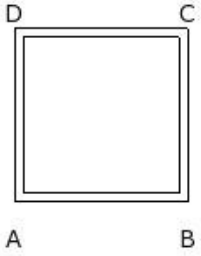
(i) 3.60 cm (ii) 2.60 cm (iii) 9.60 cm (iv) 1.60 cm (v) 0.60 cm

20. In an isosceles right angled triangle △PQR, if area = 72 sq.cm, then side QR =



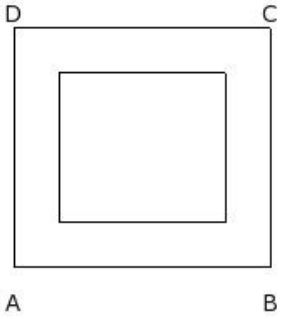
(i) 15.00 cm (ii) 7.00 cm (iii) 9.00 cm (iv) 17.00 cm (v) 12.00 cm

21. If the width of a square path is 0.50 cm and outer side is 10.00 cm, the area of the square path =



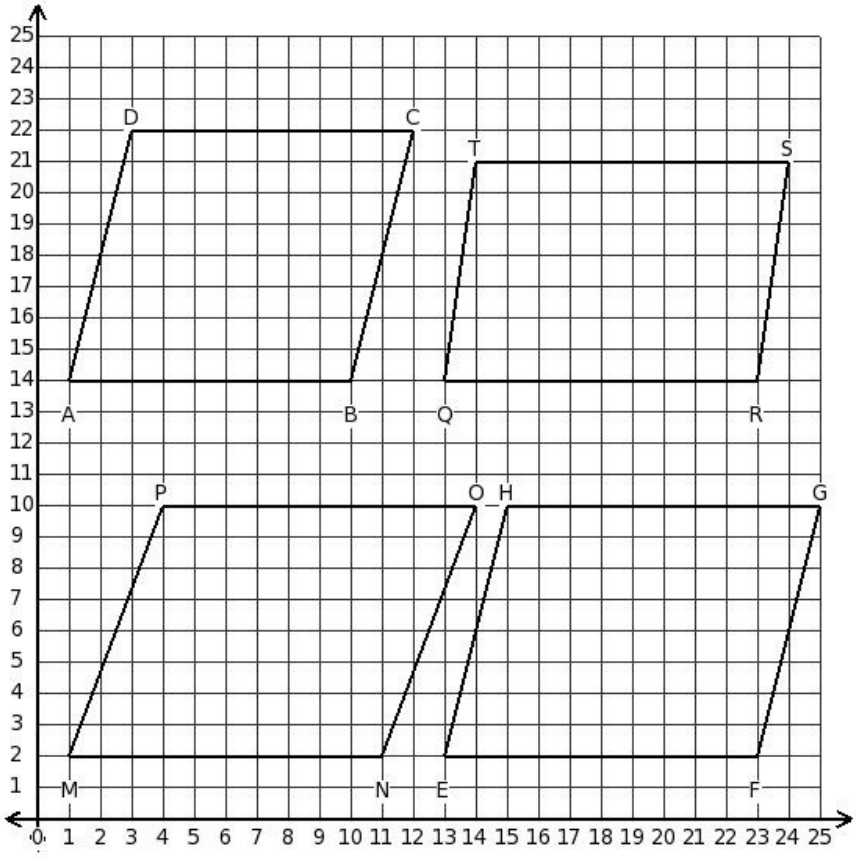
(i) 14.00 sq.cm (ii) 22.00 sq.cm (iii) 16.00 sq.cm (iv) 19.00 sq.cm (v) 24.00 sq.cm

22. If the inner length, outer breadth and area of the outer rectangle of a rectangular path are 10.00 cm, 14.40 cm and 221.76 sq.cm respectively, the area of the rectangular path =



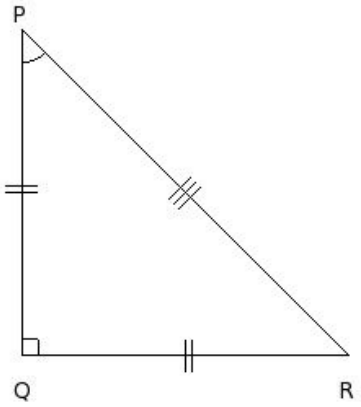
(i) 144.76 sq.cm (ii) 109.76 sq.cm (iii) 129.76 sq.cm (iv) 131.76 sq.cm

23. Consider the following parallelograms. Which two parallelograms have the same area?



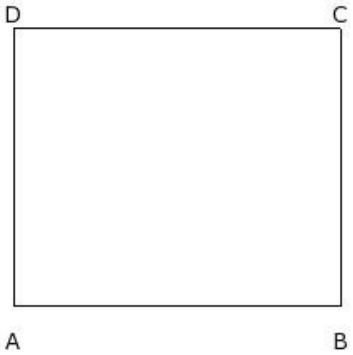
(i) ABCD and QRST (ii) EFGH and QRST (iii) EFGH and MNOP (iv) ABCD and EFGH (v) MNOP and QRST

24. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 20 cm, then area of the triangle =



(i) 200.00 sq.cm (ii) 207.00 sq.cm (iii) 195.00 sq.cm (iv) 172.00 sq.cm (v) 218.00 sq.cm

25. If the breadth and area of a rectangle are 17.00 cm and 340.00 sq.cm respectively, the perimeter of the rectangle =



(i) 71.00 cm (ii) 69.00 cm (iii) 77.00 cm (iv) 74.00 cm (v) 79.00 cm

Assignment Key

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

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