EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Area and Perimeter

Grade : SSC Grade VII

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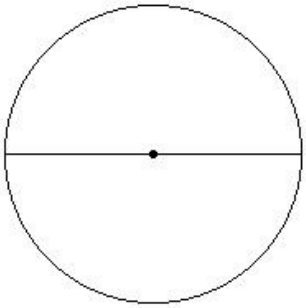
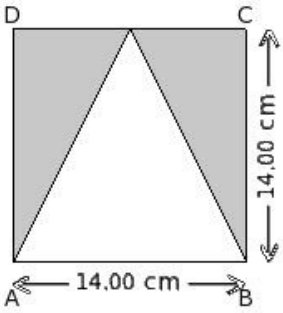
1. If diameter of the circle is 18.00 cm, the circumference of the circle is



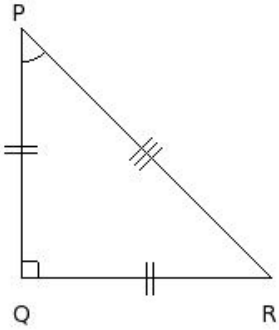
(i) 51.57 cm (ii) 56.57 cm (iii) 53.57 cm (iv) 61.57 cm (v) 59.57 cm

2. In the given figure, the triangle inside the square is an isosceles triangle. Find the area of the shaded region



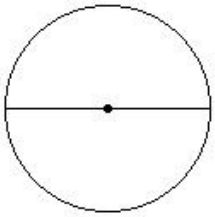
(i) 93.00 sq.cm (ii) 101.00 sq.cm (iii) 95.00 sq.cm (iv) 98.00 sq.cm (v) 103.00 sq.cm

3. In an isosceles right angled triangle △PQR, if area = 112.5 sq.cm, then corresponding height of side QR =



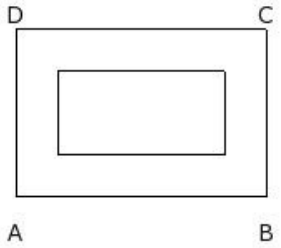
(i) 10.00 cm (ii) 15.00 cm (iii) 20.00 cm (iv) 18.00 cm (v) 12.00 cm

4. If circumference of the circle is 37.71 cm, the diameter of the circle is



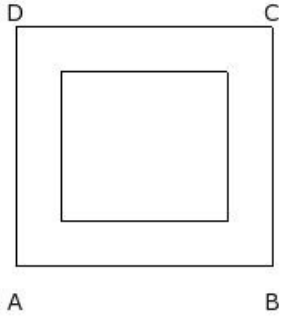
(i) 15.00 cm (ii) 7.00 cm (iii) 17.00 cm (iv) 9.00 cm (v) 12.00 cm

5. If the inner rectangle area, outer rectangle area and width of a rectangular path are 50.00 sq.cm, 150.00 sq.cm and 2.50 cm respectively, the outer length of the rectangular path =



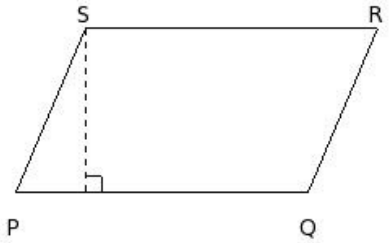
(i) 20.00 cm (ii) 15.00 cm (iii) 12.00 cm (iv) 10.00 cm (v) 18.00 cm

6. If the outer length, inner breadth and area of the outer rectangle of a rectangular path are 15.40 cm, 9.00 cm and 221.76 sq.cm respectively, the width of the rectangular path =



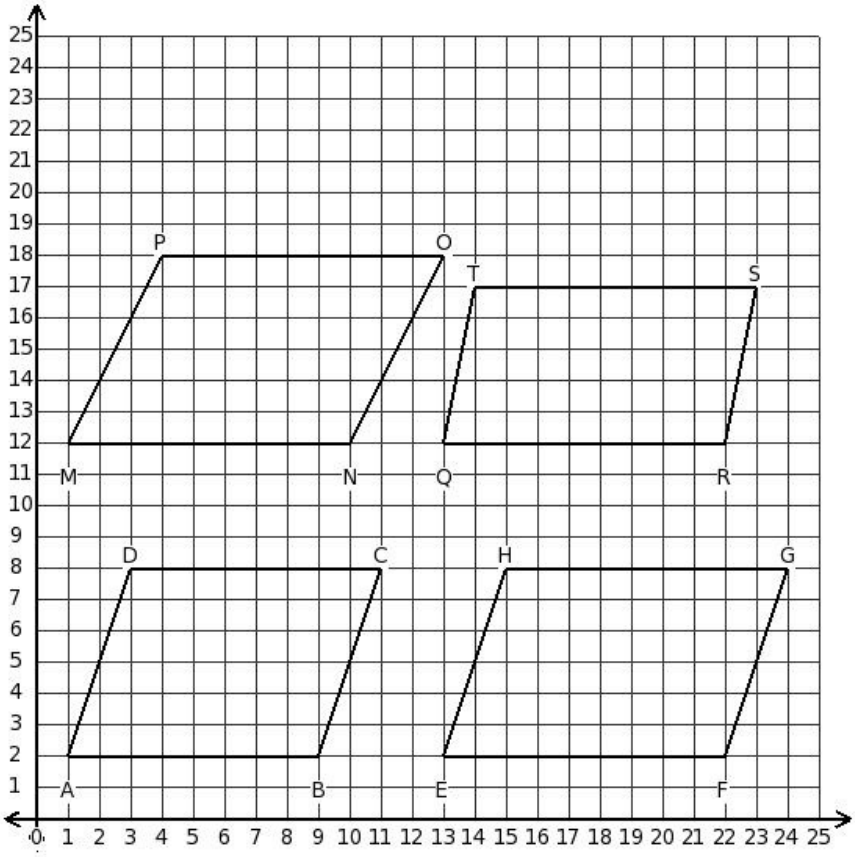
(i) 1.70 cm (ii) 3.70 cm (iii) 4.70 cm (iv) 2.70 cm (v) 0.70 cm

7. In parallelogram PQRS, if base PQ = 18.00 cm and the corresponding height is 10.11 cm, then area of the parallelogram =



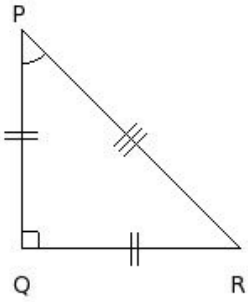
(i) 181.98 sq.cm (ii) 209.98 sq.cm (iii) 185.98 sq.cm (iv) 164.98 sq.cm

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



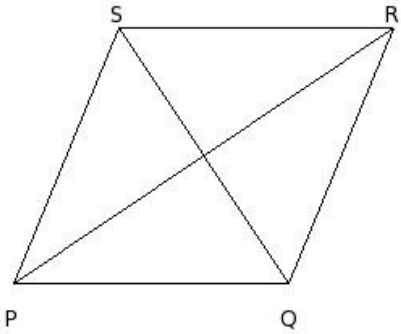
(i) ABCD and QRST (ii) EFGH and QRST (iii) EFGH and MNOP (iv) MNOP and QRST (v) ABCD and EFGH

9. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 13 cm, then side QR =



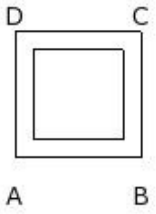
(i) 10.00 cm (ii) 13.00 cm (iii) 16.00 cm (iv) 18.00 cm (v) 8.00 cm

10. In rhombus PQRS, if one of the diagonals QS = 19.00 cm and area is 267.90 sq.cm, the diagonal PR =



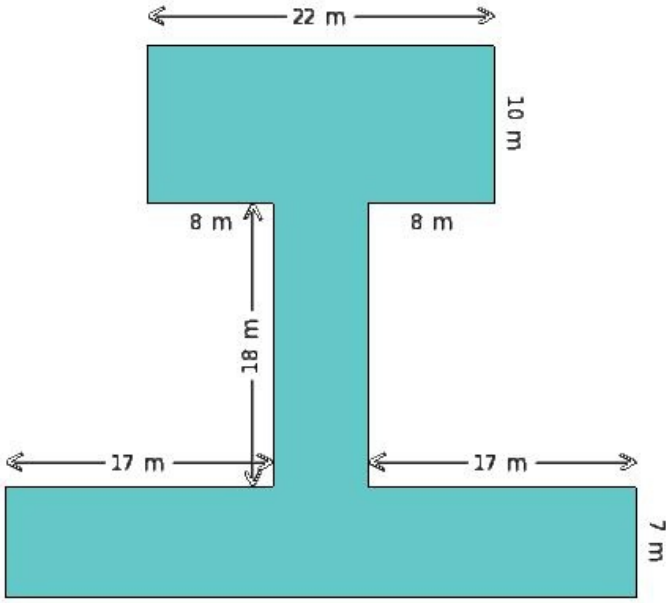
(i) 23.20 cm (ii) 28.20 cm (iii) 31.20 cm (iv) 25.20 cm (v) 33.20 cm

11. If the outer side of a square path is 7.00 cm and area of the square path is 24.00 sq.cm, the area of the inner square =



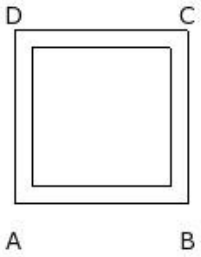
(i) 25.00 sq.cm (ii) 22.00 sq.cm (iii) 28.00 sq.cm (iv) 20.00 sq.cm (v) 30.00 sq.cm

12. Find the perimeter of the shaded region given below



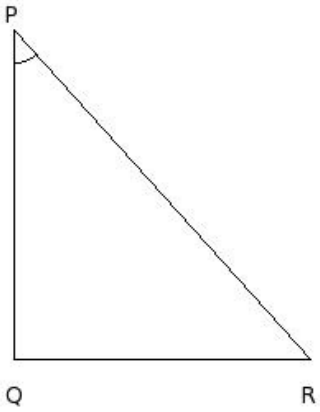
(i) 182.00 m (ii) 187.00 m (iii) 164.00 m (iv) 168.00 m (v) 205.00 m

13. If the areas of inner and outer squares of a square path are 64.00 sq.cm and 100.00 sq.cm respectively, the area of the square path =



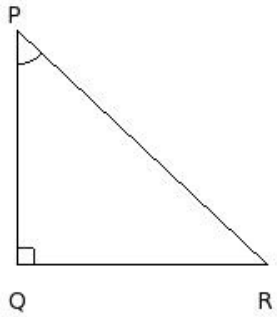
(i) 41.00 sq.cm (ii) 33.00 sq.cm (iii) 39.00 sq.cm (iv) 31.00 sq.cm (v) 36.00 sq.cm

14. In a right angled triangle △PQR, if the area is 180 sq.cm and base QR = 18 cm, then side PQ =



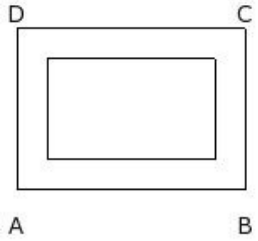
(i) 25.00 cm (ii) 20.00 cm (iii) 17.00 cm (iv) 23.00 cm (v) 15.00 cm

15. In a right angled triangle △PQR, if the base QR = 15 cm and the corresponding height is 14 cm, then area of the triangle =



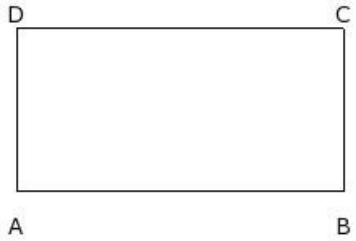
(i) 107.00 sq.cm (ii) 82.00 sq.cm (iii) 105.00 sq.cm (iv) 101.00 sq.cm (v) 121.00 sq.cm

16. If the inner length, outer breadth and width of a rectangular path are 10.00 cm, 9.60 cm and 1.80 cm respectively, the area of the inner rectangle of the rectangular path =



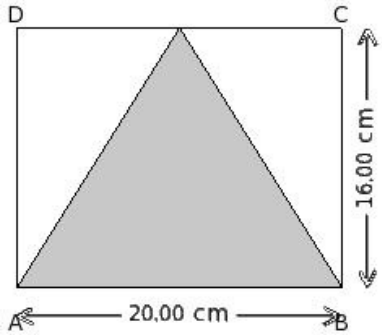
(i) 60.00 sq.cm (ii) 57.00 sq.cm (iii) 63.00 sq.cm (iv) 55.00 sq.cm (v) 65.00 sq.cm

17. If the breadth and perimeter of a rectangle are 10.00 cm and 60.00 cm respectively, the area of the rectangle =



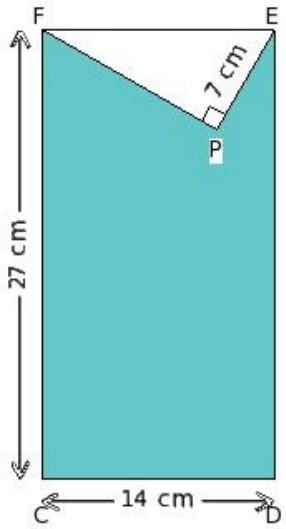
(i) 184.00 sq.cm (ii) 214.00 sq.cm (iii) 183.00 sq.cm (iv) 225.00 sq.cm (v) 200.00 sq.cm

18. In the given figure, find the area of the shaded region



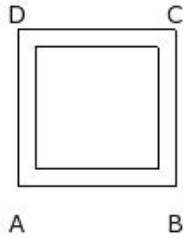
(i) 145.00 sq.cm (ii) 133.00 sq.cm (iii) 176.00 sq.cm (iv) 160.00 sq.cm (v) 178.00 sq.cm

19. In the given figure, CDEF is a rectangle in which CD = 14 cm and FC = 27 cm.
Also, △PEF is a right angled triangle in which ∠FPE = 90° and PE = 7 cm
Find the area of the shaded region



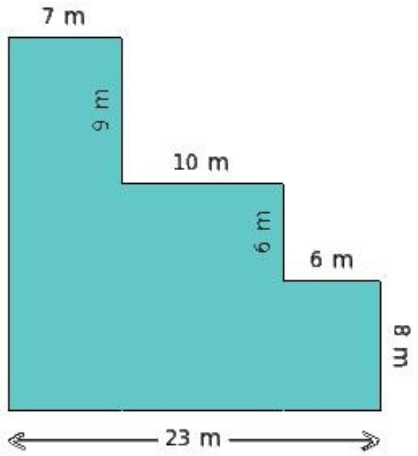
(i) 337.56 sq.cm (ii) 333.56 sq.cm (iii) 336.56 sq.cm (iv) 334.56 sq.cm (v) 335.56 sq.cm

20. If the inner side of a square path is 7.00 cm and area of the square path is 32.00 sq.cm, the outer side of the square path =



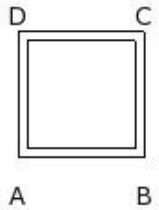
(i) 9.00 cm (ii) 11.00 cm (iii) 10.00 cm (iv) 7.00 cm (v) 8.00 cm

21. Find the area of the shaded region given below



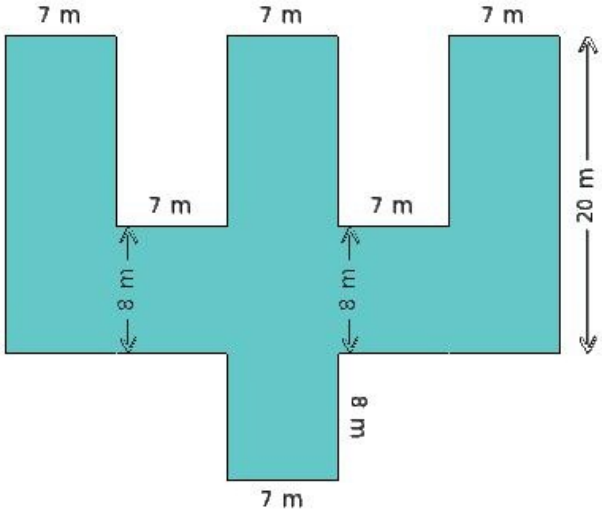
(i) 334.00 sq.m (ii) 349.00 sq.m (iii) 335.00 sq.m (iv) 363.00 sq.m (v) 357.00 sq.m

22. If the outer side of a square path is 7.00 cm and area of the square path is 13.00 sq.cm, the width of the square path =



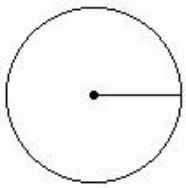
(i) 2.50 cm (ii) 7.50 cm (iii) 1.50 cm (iv) 0.50 cm (v) 8.50 cm

23. Find the area of the shaded region given below



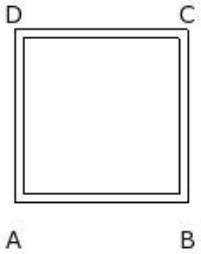
(i) 576.00 sq.m (ii) 592.00 sq.m (iii) 588.00 sq.m (iv) 572.00 sq.m (v) 613.00 sq.m

24. If circumference of the circle is 31.43 cm, the radius of the circle is



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

25. If the areas of inner and outer squares of a square path are 81.00 sq.cm and 100.00 sq.cm respectively, the width of the square path =



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

Assignment Key

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

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