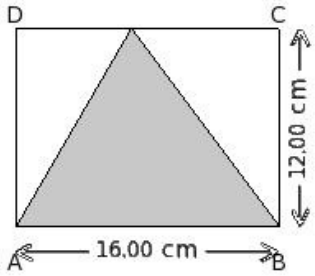
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Area and Perimeter

Grade : SSC Grade VII

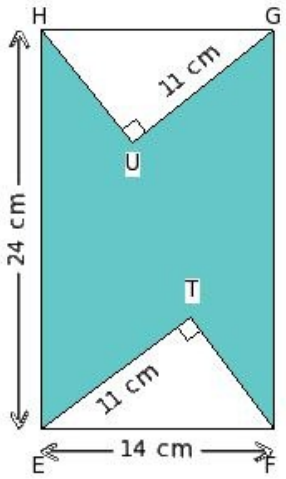
1. In the given figure, find the area of the shaded region



(i) 93.00 sq.cm (ii) 91.00 sq.cm (iii) 101.00 sq.cm (iv) 99.00 sq.cm (v) 96.00 sq.cm

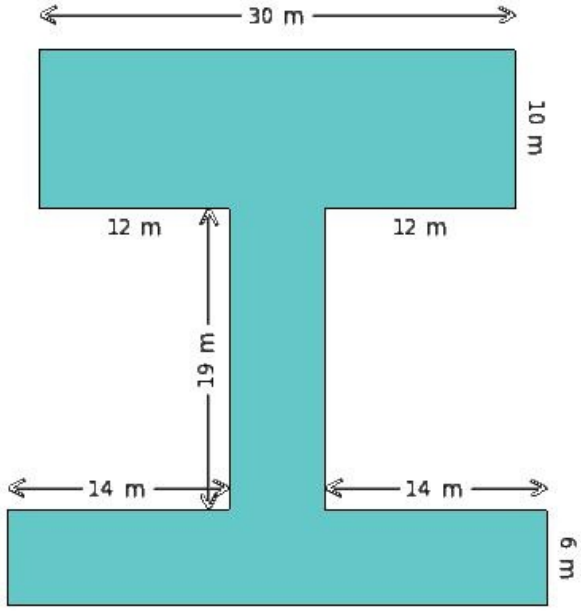
In the given figure, EFGH is a rectangle in which EF = 14 cm and HE = 24 cm.

2. Also, △TEF and △UGH are the right angled triangles in which ∠FTE = ∠HUG = 90°, TE = 11 cm and UG = 11 cm. Find the area of the shaded region



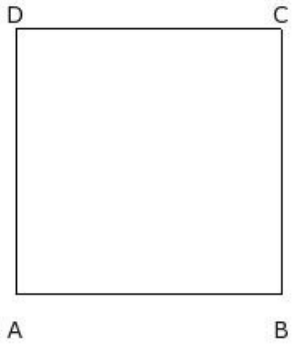
(i) 241.74 sq.cm (ii) 242.74 sq.cm (iii) 238.74 sq.cm (iv) 239.74 sq.cm (v) 240.74 sq.cm

3. Find the perimeter of the shaded region given below



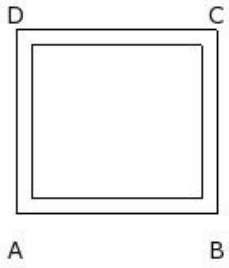
(i) 173.00 m (ii) 186.00 m (iii) 191.00 m (iv) 159.00 m (v) 210.00 m

4. If the area of a square is 256.00 sq.cm, the side of the square =



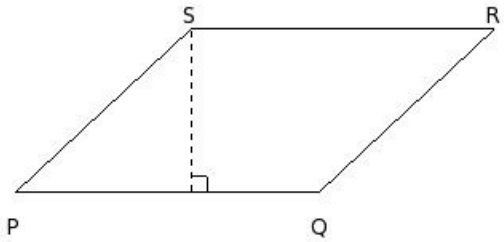
(i) 21.00 cm (ii) 11.00 cm (iii) 16.00 cm (iv) 19.00 cm (v) 13.00 cm

5. If the outer length, inner breadth and area of the inner rectangle of a rectangular path are 11.80 cm, 9.00 cm and 90.00 sq.cm respectively, the area of the rectangular path =



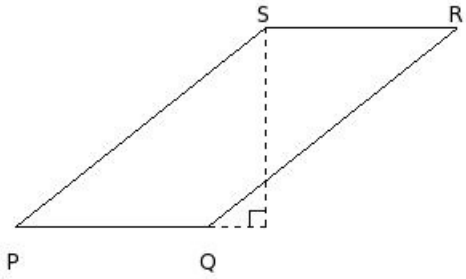
(i) 37.44 sq.cm (ii) 40.44 sq.cm (iii) 34.44 sq.cm (iv) 32.44 sq.cm (v) 42.44 sq.cm

6. In parallelogram PQRS, if base PQ = 19.00 cm and the corresponding height is 10.23 cm, then area of the parallelogram =



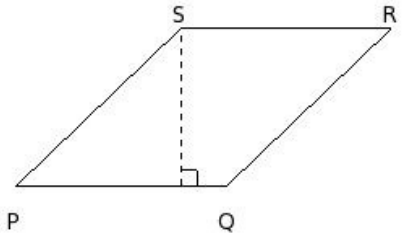
(i) 188.37 sq.cm (ii) 194.37 sq.cm (iii) 206.37 sq.cm (iv) 169.37 sq.cm (v) 201.37 sq.cm

7. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 12.48 cm and area is 149.76 sq.cm, the base of the parallelogram PQ =



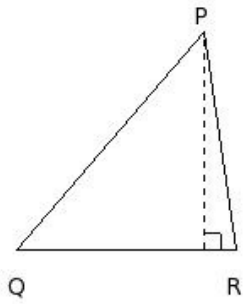
(i) 7.00 cm (ii) 9.00 cm (iii) 12.00 cm (iv) 15.00 cm (v) 17.00 cm

8. In parallelogram PQRS, if base PQ = 13.00 cm and area is 124.80 sq.cm, the corresponding height to the base PQ is



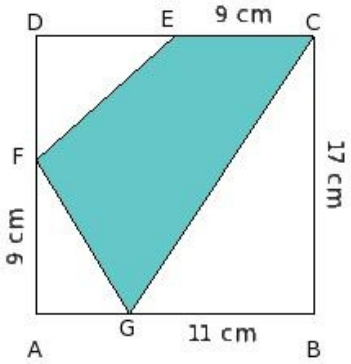
(i) 8.60 cm (ii) 11.60 cm (iii) 10.60 cm (iv) 9.60 cm (v) 7.60 cm

9. In △PQR, if base QR = 13 cm and the corresponding height of side QR = 12.86 cm, then area of the triangle =



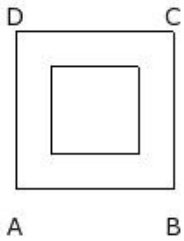
(i) 88.61 sq.cm (ii) 78.61 sq.cm (iii) 83.61 sq.cm (iv) 80.61 sq.cm (v) 86.61 sq.cm

10. Find the area of the shaded region in the adjoining figure, given that ABCD is a square of side 17 cm, CE = 9 cm, FA = 9 cm and BG = 11 cm



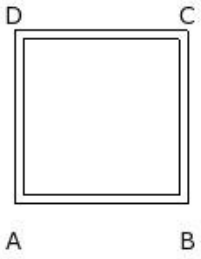
(i) 135.50 sq.cm (ii) 137.50 sq.cm (iii) 136.50 sq.cm (iv) 134.50 sq.cm (v) 138.50 sq.cm

11. If the width of a square path is 2.00 cm and inner side is 5.00 cm, the outer side of the square path =



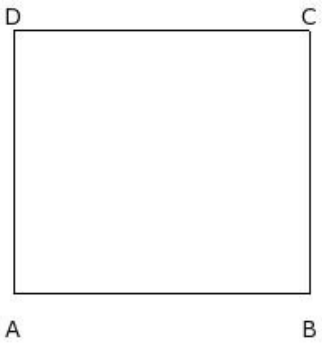
(i) 8.00 cm (ii) 10.00 cm (iii) 7.00 cm (iv) 11.00 cm (v) 9.00 cm

12. If the outer side of a square path is 10.00 cm and area of the square path is 19.00 sq.cm, the area of the inner square =



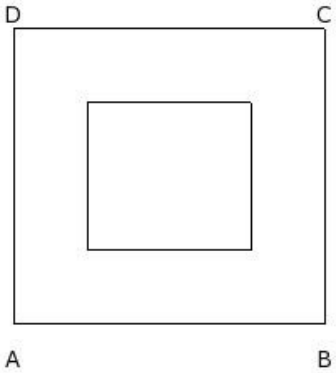
(i) 78.00 sq.cm (ii) 81.00 sq.cm (iii) 76.00 sq.cm (iv) 84.00 sq.cm (v) 86.00 sq.cm

13. If the breadth and area of a rectangle are 16.00 cm and 288.00 sq.cm respectively, the length of the rectangle =



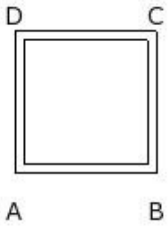
(i) 23.00 cm (ii) 15.00 cm (iii) 13.00 cm (iv) 21.00 cm (v) 18.00 cm

14. If the inner rectangle area, outer rectangle area and width of a rectangular path are 90.00 sq.cm, 342.00 sq.cm and 4.50 cm respectively, the outer length of the rectangular path =



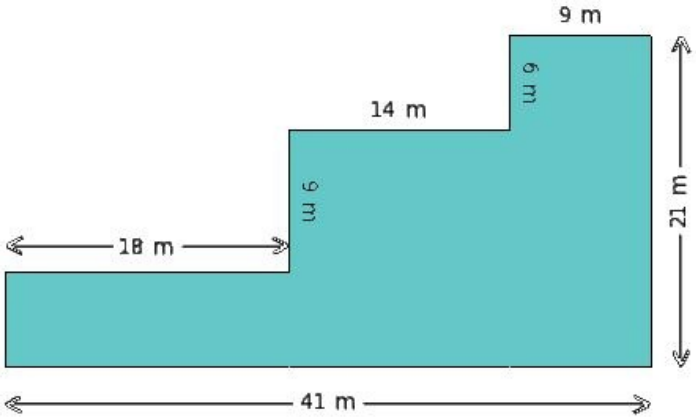
(i) 24.00 cm (ii) 14.00 cm (iii) 16.00 cm (iv) 22.00 cm (v) 19.00 cm

15. If the outer and inner sides of a square path are 8.00 cm and 7.00 cm respectively, the width of the square path =



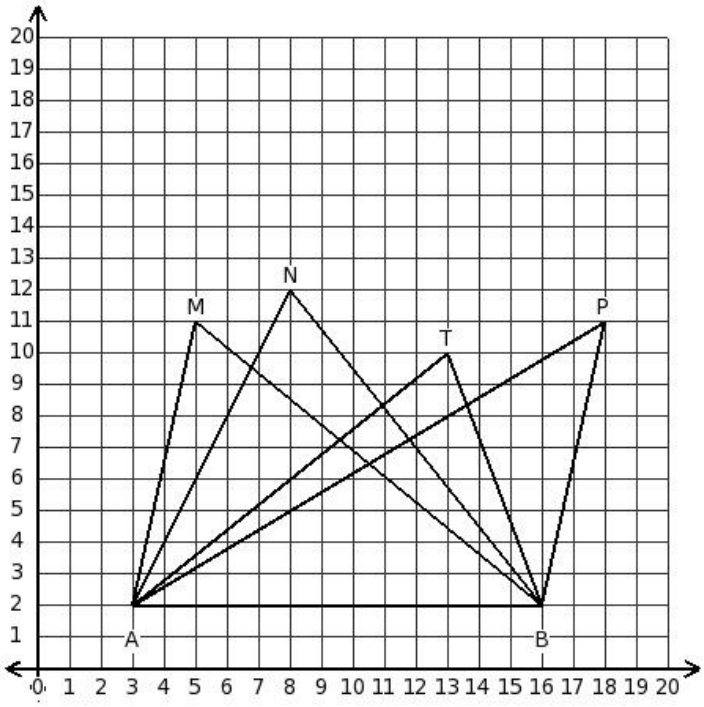
(i) 8.50 cm (ii) 2.50 cm (iii) 1.50 cm (iv) 0.50 cm (v) 7.50 cm

16. Find the area of the shaded region given below



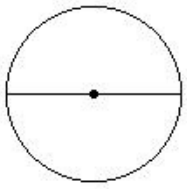
(i) 492.00 sq.m (ii) 531.00 sq.m (iii) 507.00 sq.m (iv) 503.00 sq.m (v) 514.00 sq.m

17. Consider the following triangles. Which two triangles have the same area?



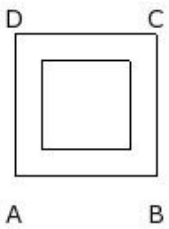
(i) △PAB and △TAB (ii) △MAB and △TAB (iii) △MAB and △PAB (iv) △MAB and △NAB (v) △PAB and △NAB

18. If radius of the circle is 5.00 cm, the diameter of the circle is



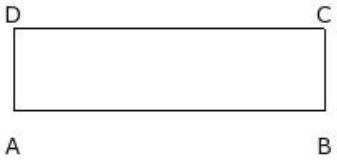
(i) 10.00 cm (ii) 7.00 cm (iii) 5.00 cm (iv) 15.00 cm (v) 13.00 cm

19. If the areas of inner and outer squares of a square path are 25.00 sq.cm and 64.00 sq.cm respectively, the width of the square path =



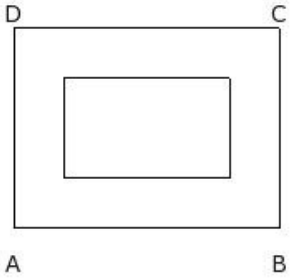
(i) 2.50 cm (ii) 1.50 cm (iii) 9.50 cm (iv) 0.50 cm (v) 3.50 cm

20. If the perimeter and area of a rectangle are 48.00 cm and 95.00 sq.cm respectively, the breadth of the rectangle =



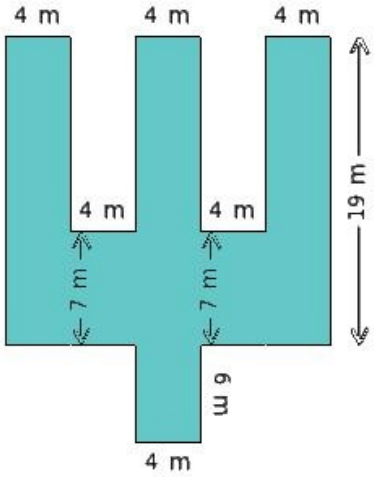
(i) 3.00 cm (ii) 7.00 cm (iii) 4.00 cm (iv) 6.00 cm (v) 5.00 cm

21. If the inner length, outer breadth and area of the outer rectangle of a rectangular path are 10.00 cm, 12.00 cm and 192.00 sq.cm respectively, the area of the rectangular path =



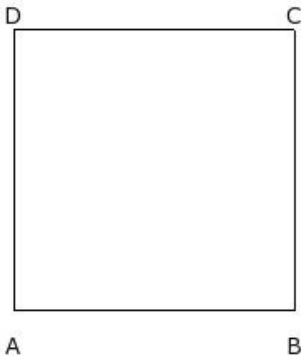
(i) 145.00 sq.cm (ii) 114.00 sq.cm (iii) 132.00 sq.cm (iv) 156.00 sq.cm (v) 117.00 sq.cm

22. Find the area of the shaded region given below



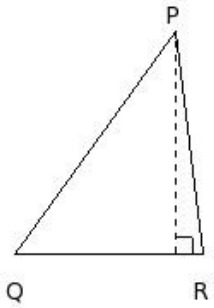
(i) 310.00 sq.m (ii) 334.00 sq.m (iii) 308.00 sq.m (iv) 295.00 sq.m (v) 292.00 sq.m

23. If the side of a square is 17.00 cm, the perimeter of the square =



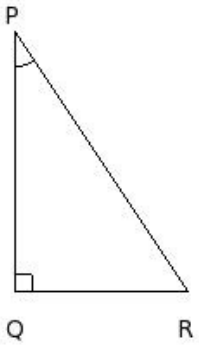
(i) 73.00 cm (ii) 65.00 cm (iii) 63.00 cm (iv) 71.00 cm (v) 68.00 cm

24. In △PQR, if base QR = 11 cm and area of the triangle = 70.99 sq.cm, then corresponding height of side QR =



(i) 9.91 cm (ii) 7.91 cm (iii) 17.91 cm (iv) 15.91 cm (v) 12.91 cm

25. In a right angled triangle △PQR, if the base QR = 10 cm and the corresponding height is 15 cm, then side PQ =



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

Assignment Key

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