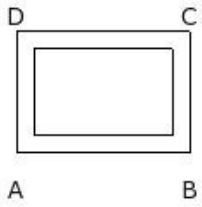
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Area and Perimeter

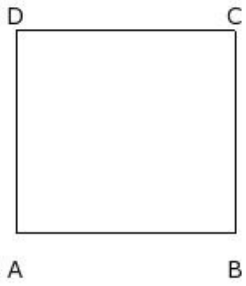
Grade : SSC Grade VII

1. If the outer length, inner breadth and area of the outer rectangle of a rectangular path are 10.00 cm, 5.00 cm and 70.00 sq.cm respectively, the area of the rectangular path =



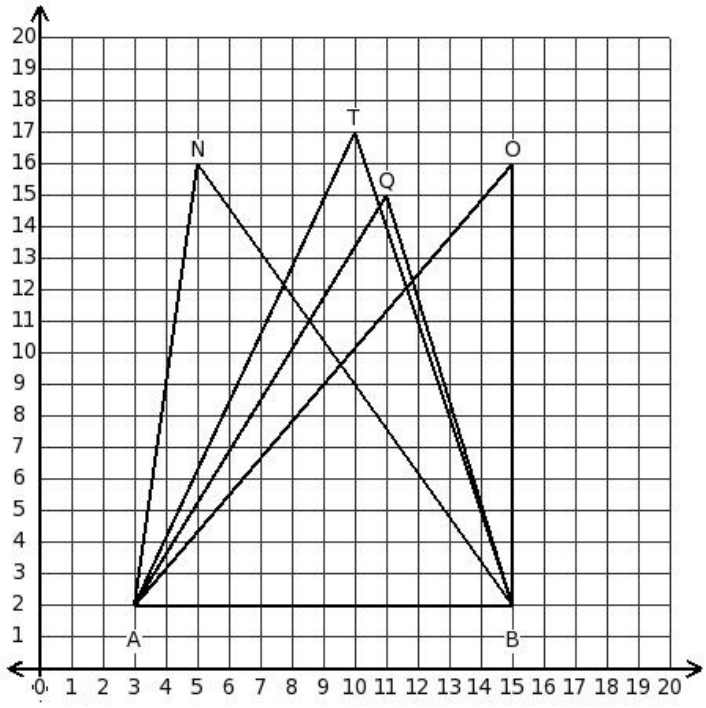
(i) 35.00 sq.cm (ii) 30.00 sq.cm (iii) 25.00 sq.cm (iv) 33.00 sq.cm (v) 27.00 sq.cm

2. If the perimeter and area of a rectangle are 50.00 cm and 156.00 sq.cm respectively, the length of the rectangle =



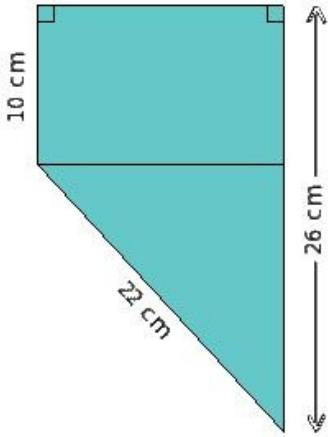
(i) 8.00 cm (ii) 10.00 cm (iii) 18.00 cm (iv) 13.00 cm (v) 16.00 cm

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



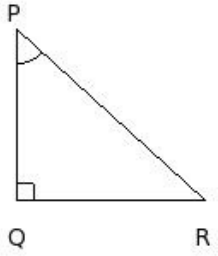
(i) △OAB and △QAB (ii) △NAB and △TAB (iii) △OAB and △TAB (iv) △NAB and △QAB (v) △NAB and △OAB

4. Find the area of the shaded region



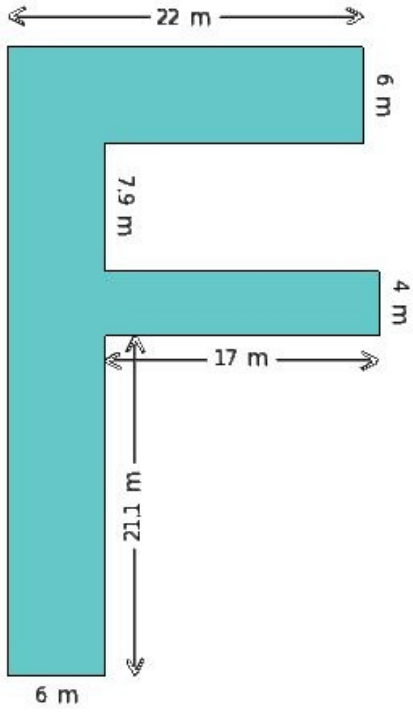
(i) 269.79 sq.cm (ii) 272.79 sq.cm (iii) 271.79 sq.cm (iv) 273.79 sq.cm (v) 270.79 sq.cm

5. In a right angled triangle △PQR, if the base QR = 11 cm and the corresponding height is 10 cm, then side PQ =



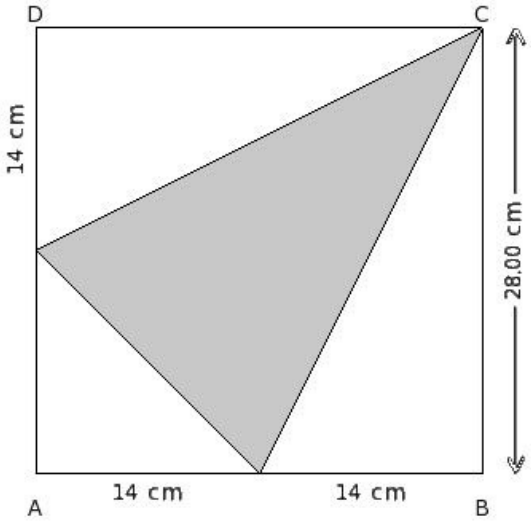
(i) 7.00 cm (ii) 10.00 cm (iii) 5.00 cm (iv) 15.00 cm (v) 13.00 cm

6. Find the perimeter of the shaded region given below



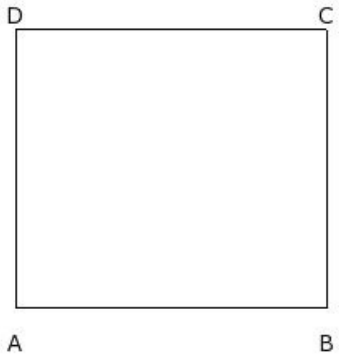
(i) 170.00 m (ii) 138.00 m (iii) 131.00 m (iv) 156.00 m (v) 179.00 m

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



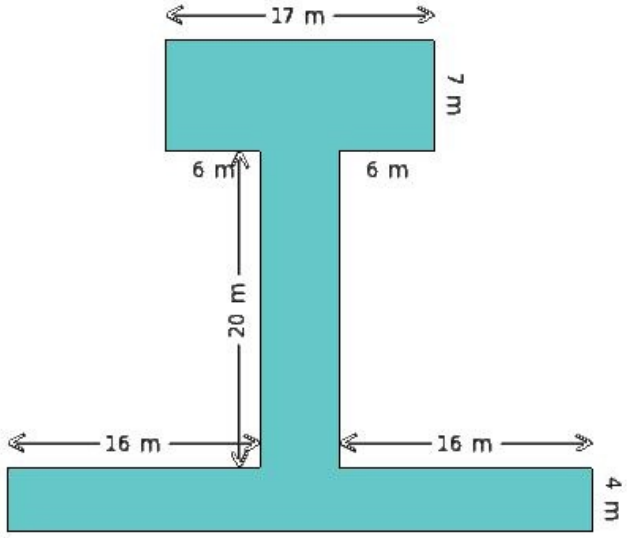
(i) 311.00 sq.cm (ii) 289.00 sq.cm (iii) 296.00 sq.cm (iv) 294.00 sq.cm (v) 270.00 sq.cm

8. If the length and perimeter of a rectangle are 19.00 cm and 72.00 cm respectively, the breadth of the rectangle =



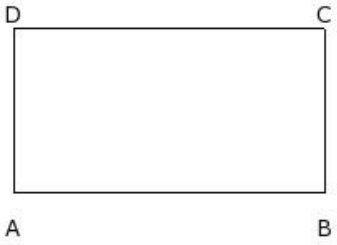
(i) 22.00 cm (ii) 20.00 cm (iii) 14.00 cm (iv) 17.00 cm (v) 12.00 cm

9. Find the area of the shaded region given below



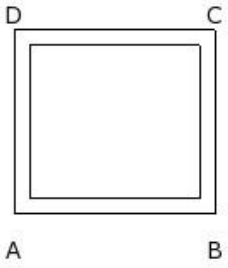
(i) 382.00 sq.m (ii) 367.00 sq.m (iii) 359.00 sq.m (iv) 340.00 sq.m (v) 395.00 sq.m

10. If the breadth and area of a rectangle are 10.00 cm and 190.00 sq.cm respectively, the perimeter of the rectangle =



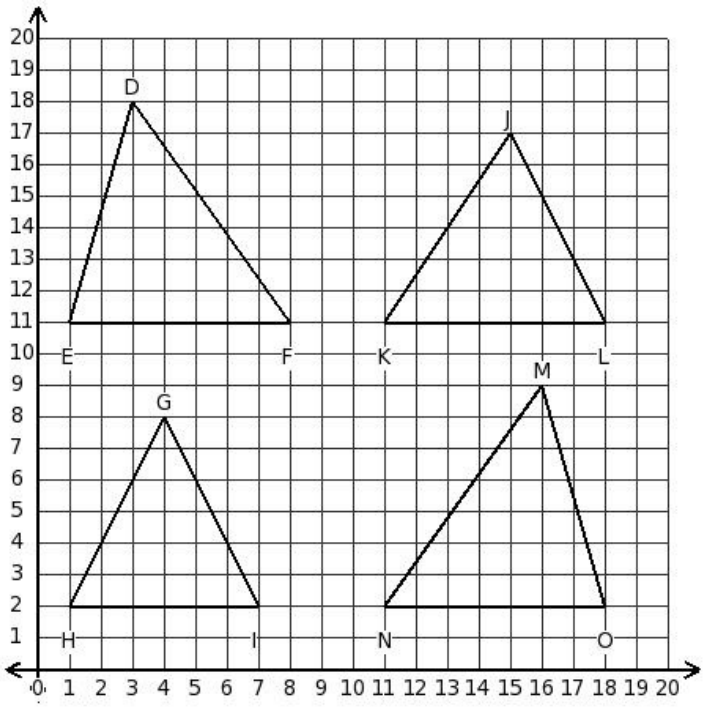
(i) 61.00 cm (ii) 53.00 cm (iii) 58.00 cm (iv) 63.00 cm (v) 55.00 cm

11. If the outer length, inner breadth and width of a rectangular path are 11.80 cm, 9.00 cm and 0.90 cm respectively, the area of the rectangular path =



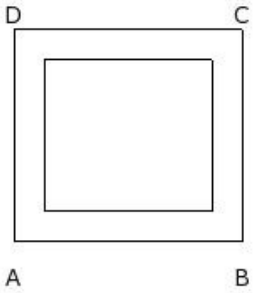
(i) 34.44 sq.cm (ii) 40.44 sq.cm (iii) 32.44 sq.cm (iv) 37.44 sq.cm (v) 42.44 sq.cm

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



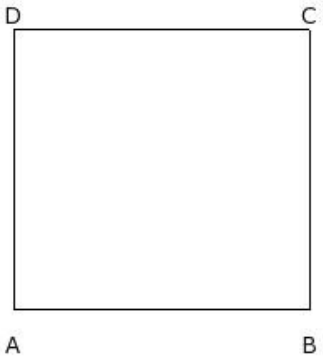
(i) △DEF and △MNO (ii) △DEF and △GHI (iii) △GHI and △MNO (iv) △DEF and △JKL (v) △GHI and △JKL

13. If the outer length, inner breadth and area of the inner rectangle of a rectangular path are 13.60 cm, 9.00 cm and 90.00 sq.cm respectively, the width of the rectangular path =



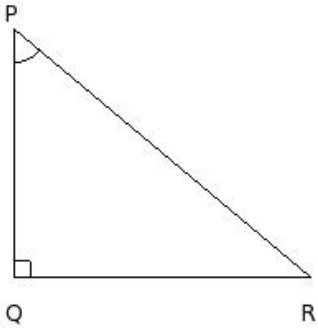
(i) 2.80 cm (ii) 9.80 cm (iii) 3.80 cm (iv) 1.80 cm (v) 0.80 cm

14. If the length and breadth of a rectangle are 18.00 cm and 17.00 cm respectively, the perimeter of the rectangle =



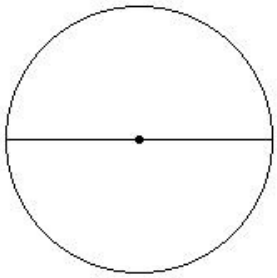
(i) 67.00 cm (ii) 65.00 cm (iii) 75.00 cm (iv) 73.00 cm (v) 70.00 cm

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



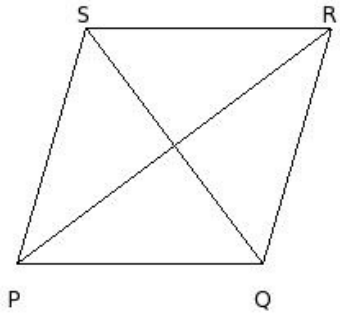
(i) 13.00 cm (ii) 23.00 cm (iii) 21.00 cm (iv) 15.00 cm (v) 18.00 cm

16. If circumference of the circle is 50.29 cm, the diameter of the circle is



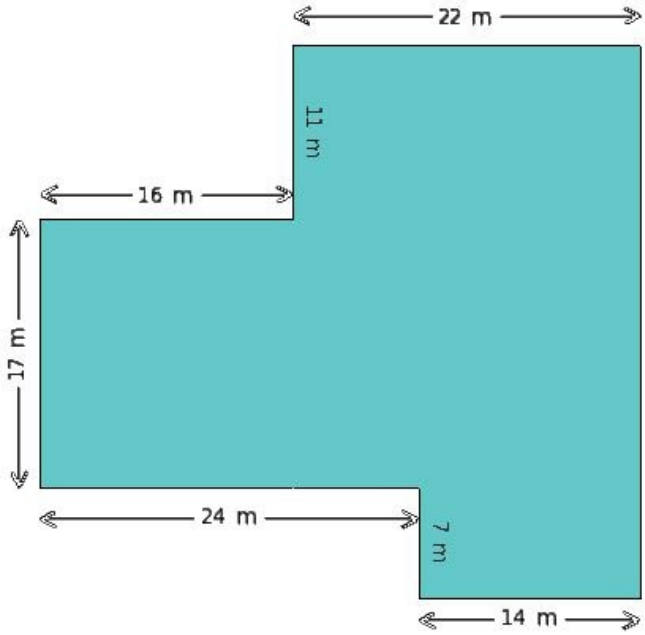
(i) 21.00 cm (ii) 13.00 cm (iii) 19.00 cm (iv) 11.00 cm (v) 16.00 cm

17. In rhombus PQRS, if diagonals QS = 18.00 cm and PR = 24.00 cm, the area of the rhombus =



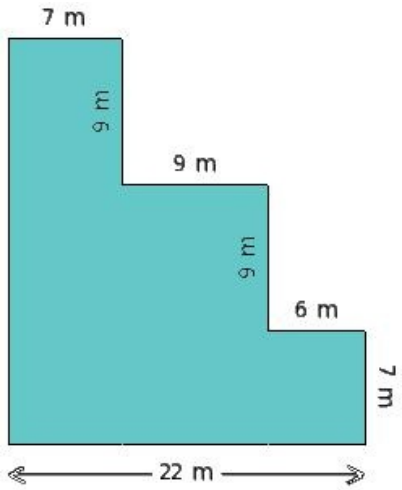
(i) 238.00 sq.cm (ii) 202.00 sq.cm (iii) 216.00 sq.cm (iv) 210.00 sq.cm (v) 219.00 sq.cm

18. Find the perimeter of the shaded region given below



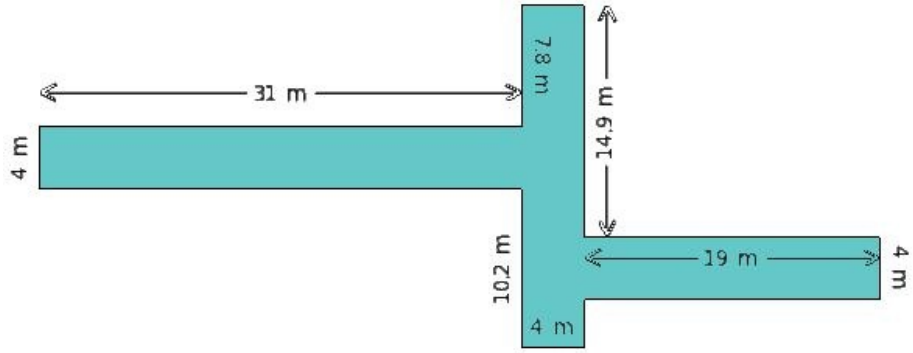
(i) 131.00 m (ii) 158.00 m (iii) 170.00 m (iv) 146.00 m (v) 144.00 m

19. Find the perimeter of the shaded region given below



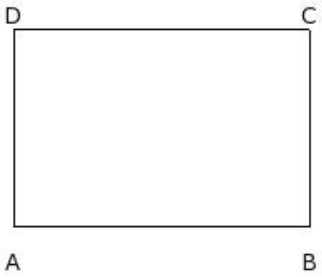
(i) 97.00 m (ii) 99.00 m (iii) 94.00 m (iv) 91.00 m (v) 89.00 m

20. Find the perimeter of the shaded region given below



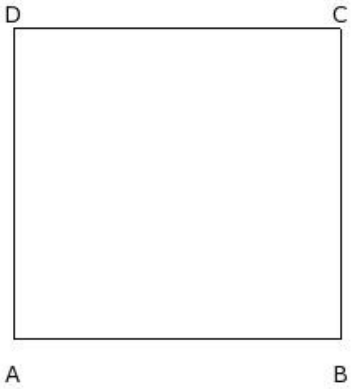
(i) 152.00 m (ii) 160.00 m (iii) 139.00 m (iv) 167.00 m (v) 128.00 m

21. If the length and area of a rectangle are 18.00 cm and 216.00 sq.cm respectively, the breadth of the rectangle =



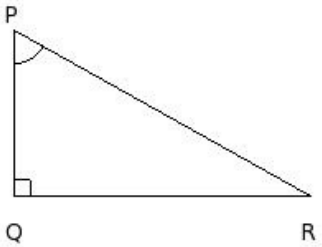
(i) 9.00 cm (ii) 15.00 cm (iii) 7.00 cm (iv) 12.00 cm (v) 17.00 cm

22. If the length and perimeter of a rectangle are 20.00 cm and 78.00 cm respectively, the area of the rectangle =



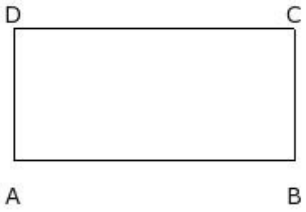
(i) 364.00 sq.cm (ii) 362.00 sq.cm (iii) 385.00 sq.cm (iv) 380.00 sq.cm (v) 407.00 sq.cm

23. In a right angled triangle △PQR, if the area is 90 sq.cm and corresponding height of side QR = 10 cm, then side PQ =



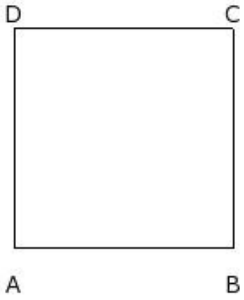
(i) 13.00 cm (ii) 7.00 cm (iii) 10.00 cm (iv) 5.00 cm (v) 15.00 cm

24. If the length and breadth of a rectangle are 17.00 cm and 8.00 cm respectively, the area of the rectangle =



(i) 162.00 sq.cm (ii) 136.00 sq.cm (iii) 124.00 sq.cm (iv) 142.00 sq.cm (v) 128.00 sq.cm

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



(i) 169.00 sq.cm (ii) 155.00 sq.cm (iii) 196.00 sq.cm (iv) 163.00 sq.cm (v) 174.00 sq.cm

Assignment Key

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