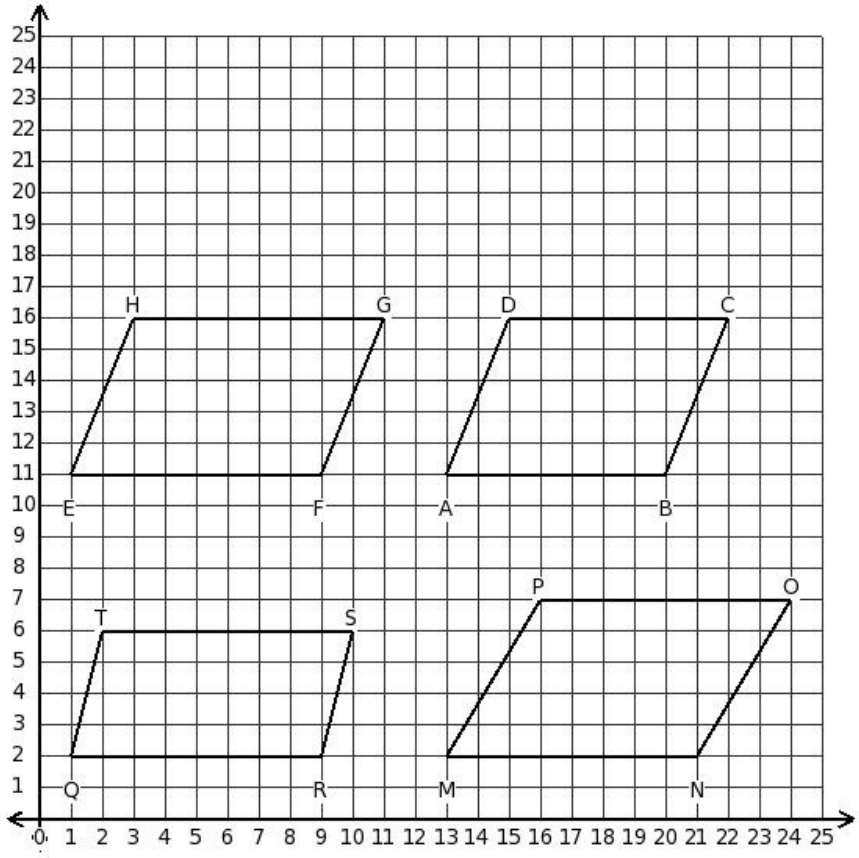
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Areas

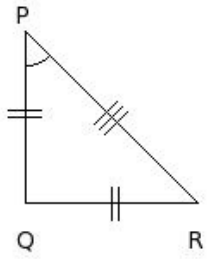
Grade : SSC Grade IX

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



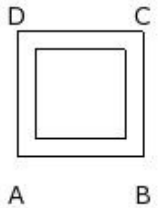
(i) EFGH and QRST (ii) ABCD and QRST (iii) ABCD and EFGH (iv) MNOP and QRST (v) EFGH and MNOP

2. In an isosceles right angled triangle △PQR, if QR = 10 cm is one of the equal sides, then area of the triangle =



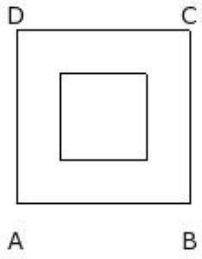
(i) 55.00 sq.cm (ii) 50.00 sq.cm (iii) 53.00 sq.cm (iv) 45.00 sq.cm (v) 47.00 sq.cm

3. If the outer and inner sides of a square path are 7.00 cm and 5.00 cm respectively, the area of the inner square =



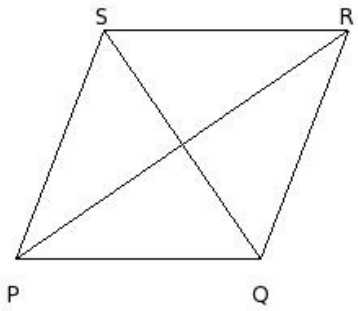
(i) 22.00 sq.cm (ii) 20.00 sq.cm (iii) 25.00 sq.cm (iv) 30.00 sq.cm (v) 28.00 sq.cm

4. If the inner side of a square path is 5.00 cm and area of the square path is 75.00 sq.cm, the area of the outer square =



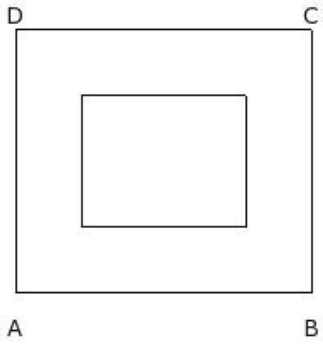
(i) 113.00 sq.cm (ii) 86.00 sq.cm (iii) 100.00 sq.cm (iv) 105.00 sq.cm

5. In rhombus PQRS, if diagonals QS = 17.00 cm and PR = 24.72 cm, the area of the rhombus =



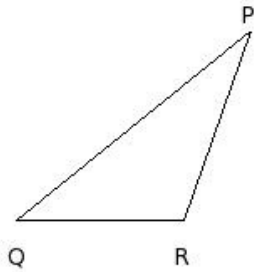
(i) 210.12 sq.cm (ii) 195.12 sq.cm (iii) 227.12 sq.cm (iv) 194.12 sq.cm (v) 228.12 sq.cm

6. If the inner length, inner breadth, outer length and outer breadth of a rectangular path are 10.00 cm, 8.00 cm, 18.00 cm and 16.00 cm respectively, the area of the inner rectangle of the rectangular path =



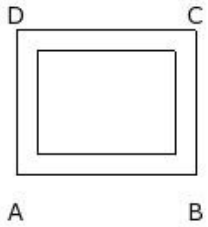
(i) 75.00 sq.cm (ii) 83.00 sq.cm (iii) 77.00 sq.cm (iv) 80.00 sq.cm (v) 85.00 sq.cm

7. In △PQR, if QR = 10 cm, RP = 12 cm and perimeter = 40 cm, then area of the triangle =



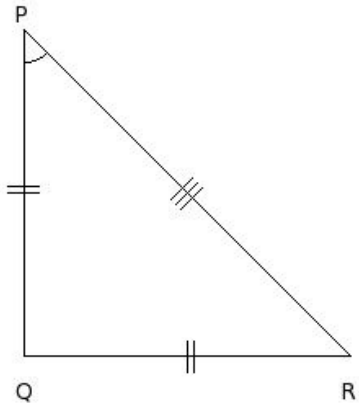
(i) 53.57 sq.cm (ii) 61.57 sq.cm (iii) 56.57 sq.cm (iv) 51.57 sq.cm (v) 59.57 sq.cm

8. If the inner length, outer breadth and area of the outer rectangle of a rectangular path are 8.00 cm, 8.40 cm and 87.36 sq.cm respectively, the area of the inner rectangle of the rectangular path =



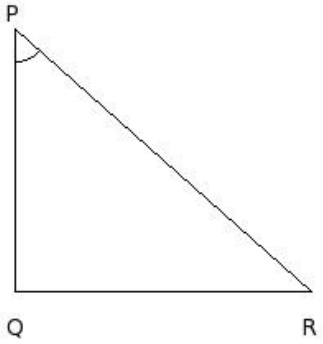
(i) 43.00 sq.cm (ii) 45.00 sq.cm (iii) 51.00 sq.cm (iv) 48.00 sq.cm (v) 53.00 sq.cm

9. In an isosceles right angled triangle △PQR, if perimeter = 68.28 cm, then area of the triangle =



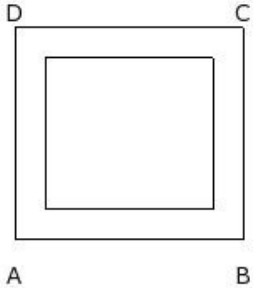
(i) 224.00 sq.cm (ii) 200.00 sq.cm (iii) 187.00 sq.cm (iv) 207.00 sq.cm (v) 184.00 sq.cm

10. In a right angled triangle △PQR, if QR = 18 cm, PQ = 16 cm are the lengths of perpendicular sides , then area of the triangle =



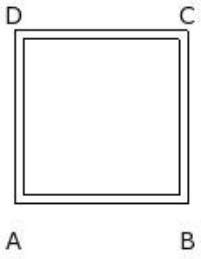
(i) 161.00 sq.cm (ii) 132.00 sq.cm (iii) 144.00 sq.cm (iv) 159.00 sq.cm

11. If the inner length, outer breadth and width of a rectangular path are 10.00 cm, 12.60 cm and 1.80 cm respectively, the area of the outer rectangle of the rectangular path =



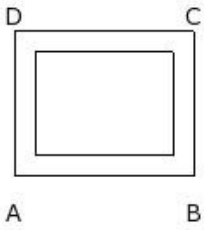
(i) 167.36 sq.cm (ii) 177.36 sq.cm (iii) 171.36 sq.cm (iv) 196.36 sq.cm (v) 154.36 sq.cm

12. If the outer and inner sides of a square path are 10.00 cm and 9.00 cm respectively, the area of the square path =



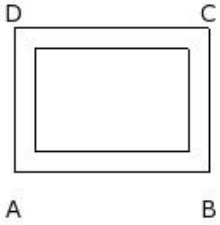
(i) 14.00 sq.cm (ii) 24.00 sq.cm (iii) 16.00 sq.cm (iv) 22.00 sq.cm (v) 19.00 sq.cm

13. If the outer length, inner breadth and area of the inner rectangle of a rectangular path are 10.40 cm, 6.00 cm and 48.00 sq.cm respectively, the area of the rectangular path =



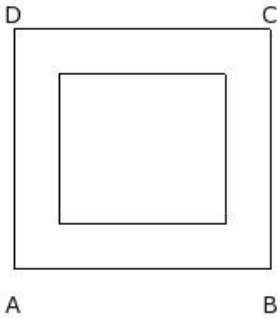
(i) 42.36 sq.cm (ii) 36.36 sq.cm (iii) 39.36 sq.cm (iv) 34.36 sq.cm (v) 44.36 sq.cm

14. If the inner length, outer breadth and area of the outer rectangle of a rectangular path are 9.00 cm, 8.40 cm and 95.76 sq.cm respectively, the area of the rectangular path =



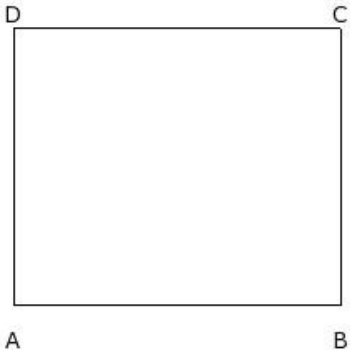
(i) 44.76 sq.cm (ii) 38.76 sq.cm (iii) 41.76 sq.cm (iv) 46.76 sq.cm (v) 36.76 sq.cm

15. If the outer length, inner breadth and width of a rectangular path are 15.40 cm, 9.00 cm and 2.70 cm respectively, the area of the rectangular path =



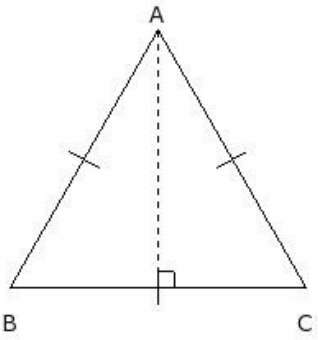
(i) 131.76 sq.cm (ii) 115.76 sq.cm (iii) 143.76 sq.cm (iv) 128.76 sq.cm (v) 156.76 sq.cm

16. If the breadth and perimeter of a rectangle are 17.00 cm and 74.00 cm respectively, the area of the rectangle =



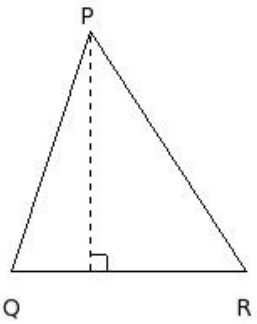
(i) 353.00 sq.cm (ii) 312.00 sq.cm (iii) 367.00 sq.cm (iv) 340.00 sq.cm (v) 335.00 sq.cm

17. If height of an equilateral triangle is 15.59 cm, the area of the equilateral triangle =



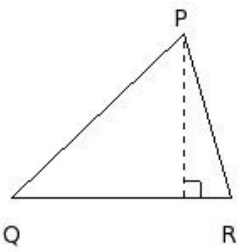
(i) 140.30 sq.cm (ii) 155.30 sq.cm (iii) 112.30 sq.cm (iv) 136.30 sq.cm (v) 152.30 sq.cm

18. In △PQR, if QR = 14 cm, RP = 17 cm and the corresponding height of side QR = 14.24 cm, then area of the triangle =



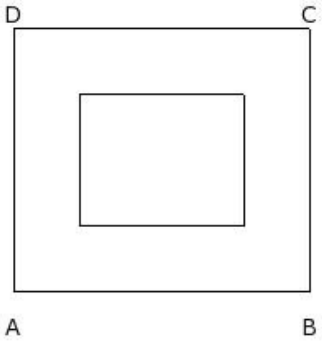
(i) 99.68 sq.cm (ii) 94.68 sq.cm (iii) 104.68 sq.cm (iv) 102.68 sq.cm (v) 96.68 sq.cm

19. In △PQR, if base QR = 13 cm and the corresponding height of side QR = 9.6 cm, then area of the triangle =



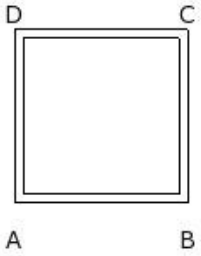
(i) 62.39 sq.cm (ii) 65.39 sq.cm (iii) 67.39 sq.cm (iv) 59.39 sq.cm (v) 57.39 sq.cm

20. If the inner length, inner breadth and width of a rectangular path are 10.00 cm, 8.00 cm and 4.00 cm respectively, the area of the inner rectangle of the rectangular path =



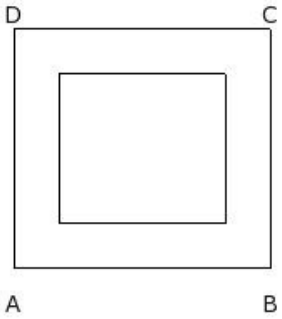
(i) 77.00 sq.cm (ii) 80.00 sq.cm (iii) 75.00 sq.cm (iv) 83.00 sq.cm (v) 85.00 sq.cm

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



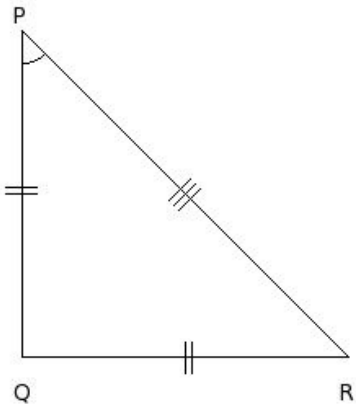
(i) 86.00 sq.cm (ii) 76.00 sq.cm (iii) 78.00 sq.cm (iv) 84.00 sq.cm (v) 81.00 sq.cm

22. If the inner length, inner breadth, outer length and outer breadth of a rectangular path are 10.00 cm, 9.00 cm, 15.40 cm and 14.40 cm respectively, the area of the rectangular path =



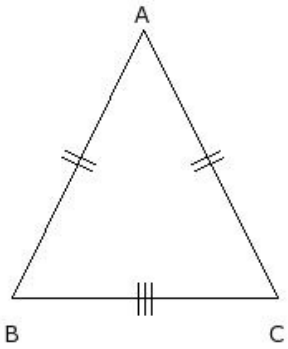
(i) 118.76 sq.cm (ii) 149.76 sq.cm (iii) 124.76 sq.cm (iv) 131.76 sq.cm

23. In an isosceles right angled triangle △PQR, if RP = 28.28 cm is the hypotenuse, then area of the triangle =



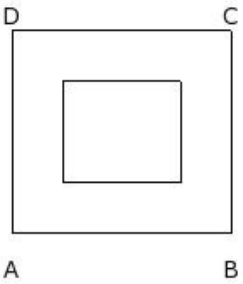
(i) 213.00 sq.cm (ii) 194.00 sq.cm (iii) 205.00 sq.cm (iv) 182.00 sq.cm (v) 200.00 sq.cm

24. In an isosceles triangle △ABC, if BC = 16 cm, AB = CA = 18 cm, then area of the triangle =



(i) 156.00 sq.cm (ii) 145.00 sq.cm (iii) 106.00 sq.cm (iv) 127.00 sq.cm (v) 129.00 sq.cm

25. If the outer length, inner breadth and width of a rectangular path are 13.00 cm, 6.00 cm and 3.00 cm respectively, the area of the outer rectangle of the rectangular path =



(i) 156.00 sq.cm (ii) 173.00 sq.cm (iii) 131.00 sq.cm (iv) 138.00 sq.cm (v) 160.00 sq.cm

Assignment Key

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