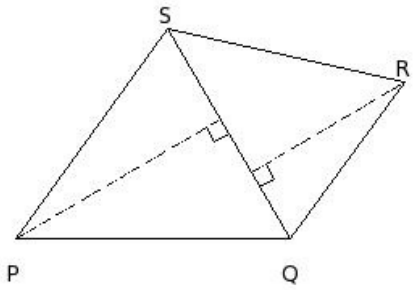
EduSahara™ Assignment

Name : Area of Quadrilaterals

Chapter : Area of Plane Figures

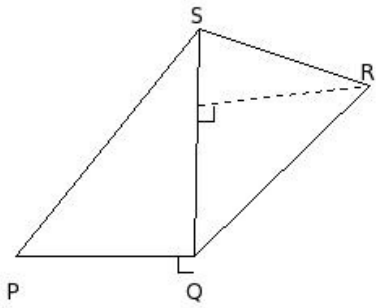
Grade : SSC Grade VIII

1. In quadrilateral PQRS, if diagonal QS = 15.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 14.66 cm and 11.00 cm respectively, then height of the vertex R to the diagonal QS is



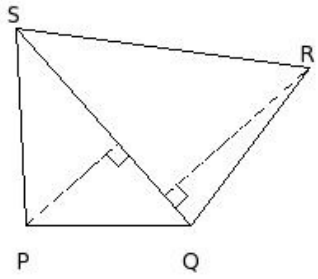
(i) 8.00 cm (ii) 16.00 cm (iii) 6.00 cm (iv) 14.00 cm (v) 11.00 cm

2. In quadrilateral PQRS, if diagonal QS = 14.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 11.00 cm and 10.50 cm respectively, then area of the quadrilateral =



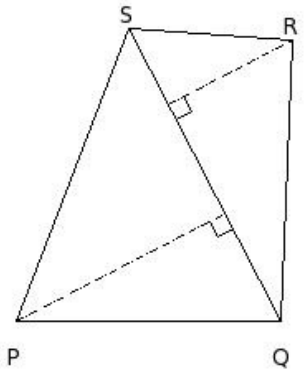
(i) 158.50 sq.cm (ii) 125.50 sq.cm (iii) 150.50 sq.cm (iv) 178.50 sq.cm (v) 137.50 sq.cm

3. In quadrilateral PQRS, if diagonal QS = 16.00 cm, height of vertex P to the diagonal QS is 7.49 cm and area is 154.00 sq.cm, then height of the vertex R to the diagonal QS is



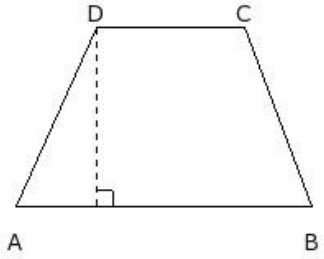
(i) 11.76 cm (ii) 16.76 cm (iii) 6.76 cm (iv) 14.76 cm (v) 8.76 cm

4. In quadrilateral PQRS, if area is 227.00 sq.cm, height of vertex P to the diagonal QS is 14.20 cm, and height of vertex R to the diagonal QS is 8.50 cm, then diagonal QS =



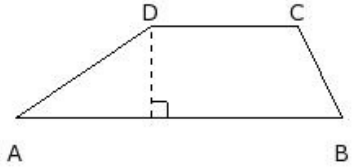
(i) 15.00 cm (ii) 20.00 cm (iii) 17.00 cm (iv) 25.00 cm (v) 23.00 cm

5. In trapezium ABCD, if distance between the parallel sides is 10.92 cm and lengths of the parallel sides AB = 18.00 cm and CD = 9.00 cm, then area of the trapezium =



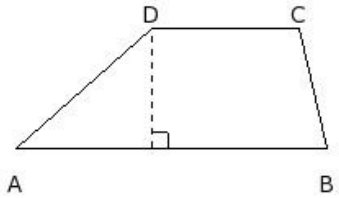
(i) 135.42 sq.cm (ii) 147.42 sq.cm (iii) 164.42 sq.cm (iv) 140.42 sq.cm (v) 173.42 sq.cm

6. In trapezium ABCD, if area is 81.34 sq.cm and lengths of the parallel sides are AB = 20.00 cm and CD = 9.00 cm, then distance between the parallel sides AB and CD =



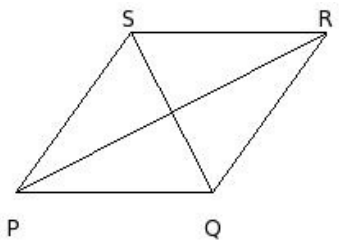
(i) 3.61 cm (ii) 4.61 cm (iii) 5.61 cm (iv) 6.61 cm (v) 7.61 cm

7. In trapezium ABCD, if one of the parallel sides AB = 19.00 cm and distance between parallel sides AB and CD is 7.29 cm and area is 102.06 sq.cm, then parallel side CD =



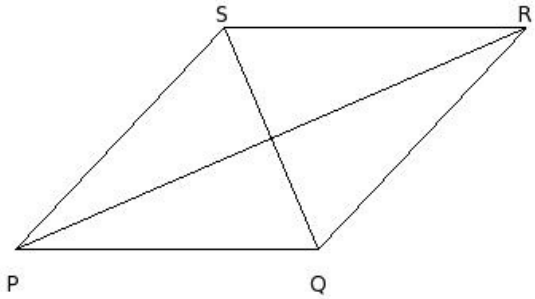
(i) 7.00 cm (ii) 10.00 cm (iii) 9.00 cm (iv) 8.00 cm (v) 11.00 cm

8. In rhombus PQRS, if diagonals QS = 11.00 cm and PR = 21.33 cm, the area of the rhombus =



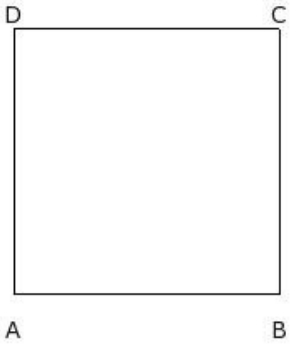
(i) 117.31 sq.cm (ii) 135.31 sq.cm (iii) 101.31 sq.cm (iv) 130.31 sq.cm (v) 93.31 sq.cm

9. In rhombus PQRS, if one of the diagonals QS = 15.00 cm and area is 261.82 sq.cm, the diagonal PR =



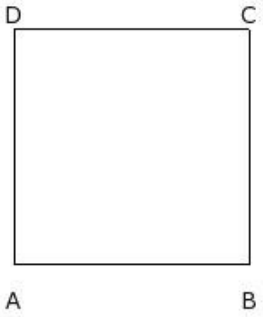
(i) 31.91 cm (ii) 34.91 cm (iii) 37.91 cm (iv) 39.91 cm (v) 29.91 cm

10. If the side of a square is 16.00 cm, the perimeter of the square =



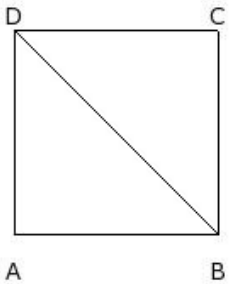
(i) 67.00 cm (ii) 64.00 cm (iii) 61.00 cm (iv) 69.00 cm (v) 59.00 cm

11. If the side of a square is 14.00 cm, the area of the square =



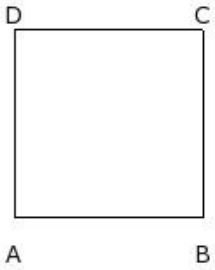
(i) 178.00 sq.cm (ii) 210.00 sq.cm (iii) 170.00 sq.cm (iv) 196.00 sq.cm (v) 209.00 sq.cm

12. If the side of a square is 12.00 cm, the length of the diagonal of the square =



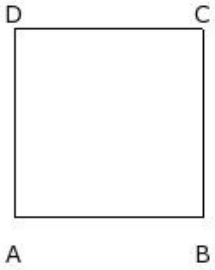
(i) 11.97 cm (ii) 21.97 cm (iii) 16.97 cm (iv) 13.97 cm (v) 19.97 cm

13. If the perimeter of a square is 44.00 cm, the side of the square =



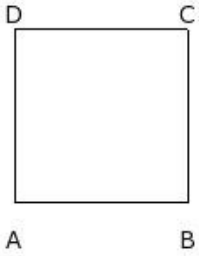
(i) 8.00 cm (ii) 11.00 cm (iii) 14.00 cm (iv) 6.00 cm (v) 16.00 cm

14. If the perimeter of a square is 44.00 cm, the area of the square =



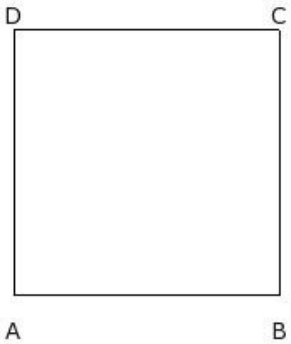
(i) 143.00 sq.cm (ii) 116.00 sq.cm (iii) 121.00 sq.cm (iv) 137.00 sq.cm (v) 97.00 sq.cm

15. If the area of a square is 100.00 sq.cm, the side of the square =



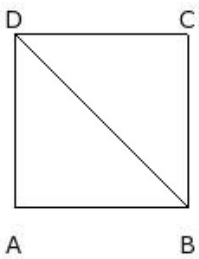
(i) 15.00 cm (ii) 7.00 cm (iii) 5.00 cm (iv) 10.00 cm (v) 13.00 cm

16. If the area of a square is 256.00 sq.cm, the perimeter of the square =



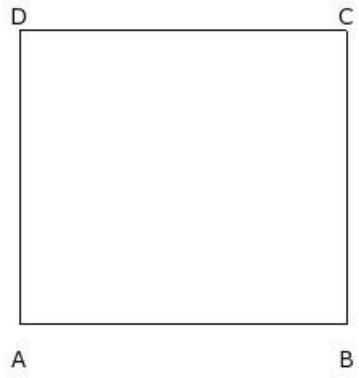
(i) 64.00 cm (ii) 69.00 cm (iii) 61.00 cm (iv) 59.00 cm (v) 67.00 cm

17. If the area of a square is 100.00 sq.cm, the length of the diagonal of the square =



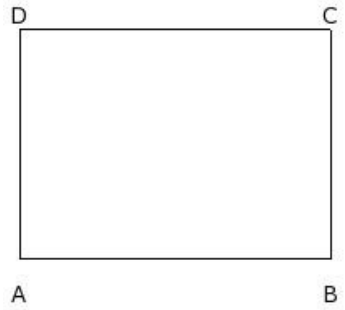
(i) 19.14 cm (ii) 11.14 cm (iii) 17.14 cm (iv) 9.14 cm (v) 14.14 cm

18. If the length and breadth of a rectangle are 20.00 cm and 18.00 cm respectively, the perimeter of the rectangle =



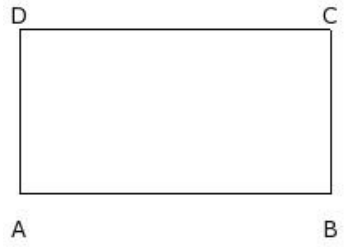
(i) 71.00 cm (ii) 76.00 cm (iii) 79.00 cm (iv) 81.00 cm (v) 73.00 cm

19. If the length and breadth of a rectangle are 19.00 cm and 14.00 cm respectively, the area of the rectangle =



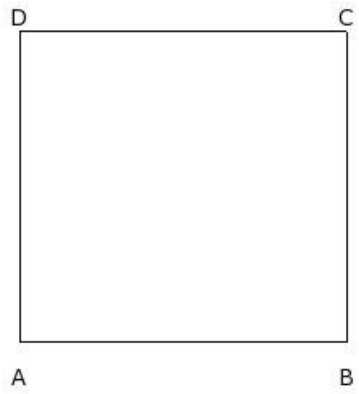
(i) 271.00 sq.cm (ii) 260.00 sq.cm (iii) 279.00 sq.cm (iv) 266.00 sq.cm (v) 254.00 sq.cm

20. If the length and perimeter of a rectangle are 19.00 cm and 58.00 cm respectively, the breadth of the rectangle =



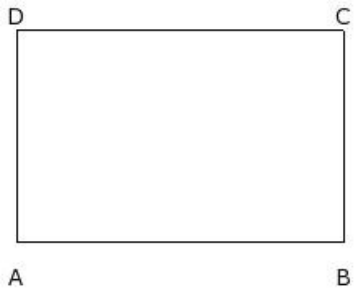
(i) 7.00 cm (ii) 10.00 cm (iii) 13.00 cm (iv) 15.00 cm (v) 5.00 cm

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



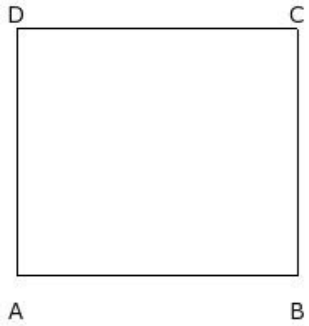
(i) 380.00 sq.cm (ii) 393.00 sq.cm (iii) 398.00 sq.cm (iv) 372.00 sq.cm (v) 354.00 sq.cm

22. If the length and area of a rectangle are 20.00 cm and 260.00 sq.cm respectively, the perimeter of the rectangle =



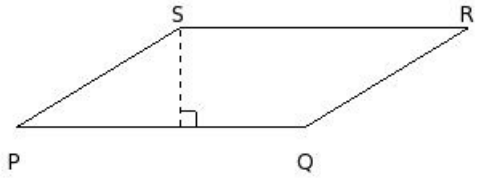
(i) 63.00 cm (ii) 71.00 cm (iii) 66.00 cm (iv) 69.00 cm (v) 61.00 cm

23. If the breadth and perimeter of a rectangle are 15.00 cm and 64.00 cm respectively, the area of the rectangle =



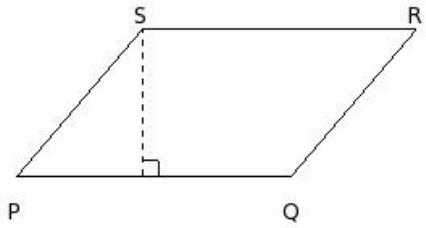
(i) 277.00 sq.cm (ii) 242.00 sq.cm (iii) 240.00 sq.cm (iv) 255.00 sq.cm (v) 257.00 sq.cm

24. In parallelogram PQRS, if base PQ = 18.00 cm and the corresponding height is 6.29 cm, then area of the parallelogram =



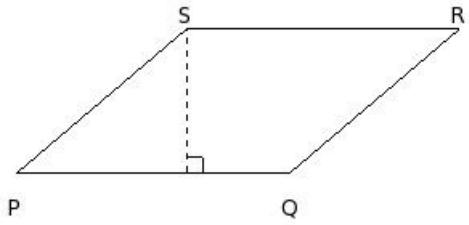
(i) 91.22 sq.cm (ii) 126.22 sq.cm (iii) 113.22 sq.cm (iv) 107.22 sq.cm (v) 129.22 sq.cm

25. In parallelogram PQRS, if base PQ = 17.00 cm and area is 155.55 sq.cm, the corresponding height to the base PQ is



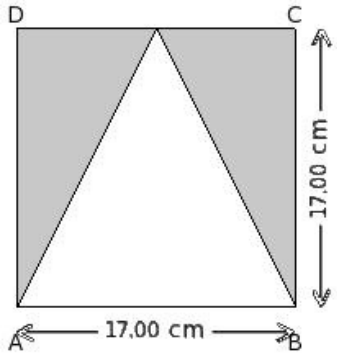
(i) 9.15 cm (ii) 8.15 cm (iii) 11.15 cm (iv) 10.15 cm (v) 7.15 cm

26. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 9.02 cm and area is 153.34 sq.cm, the base of the parallelogram PQ =



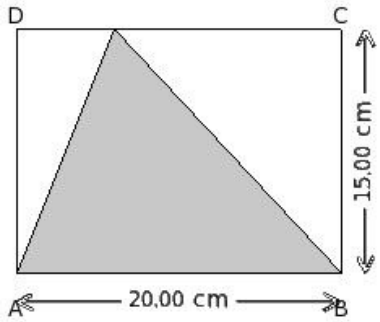
(i) 17.00 cm (ii) 14.00 cm (iii) 20.00 cm (iv) 22.00 cm (v) 12.00 cm

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



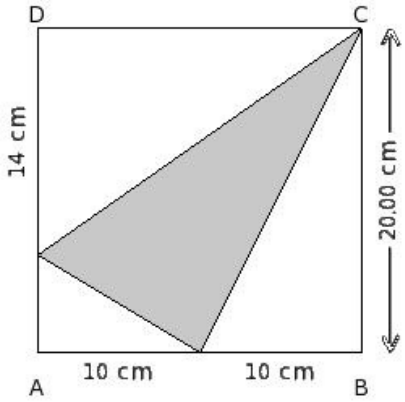
(i) 158.50 sq.cm (ii) 161.50 sq.cm (iii) 126.50 sq.cm (iv) 144.50 sq.cm (v) 131.50 sq.cm

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



(i) 147.00 sq.cm (ii) 156.00 sq.cm (iii) 167.00 sq.cm (iv) 150.00 sq.cm (v) 122.00 sq.cm

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



(i) 137.00 sq.cm (ii) 108.00 sq.cm (iii) 130.00 sq.cm (iv) 155.00 sq.cm (v) 114.00 sq.cm

Assignment Key

1) (v)	2) (iii)	3) (i)	4) (ii)	5) (ii)	6) (iii)
7) (iii)	8) (i)	9) (ii)	10) (ii)	11) (iv)	12) (iii)
13) (ii)	14) (iii)	15) (iv)	16) (i)	17) (v)	18) (ii)
19) (iv)	20) (ii)	21) (i)	22) (iii)	23) (iv)	24) (iii)
25) (i)	26) (i)	27) (iv)	28) (iv)	29) (iii)	