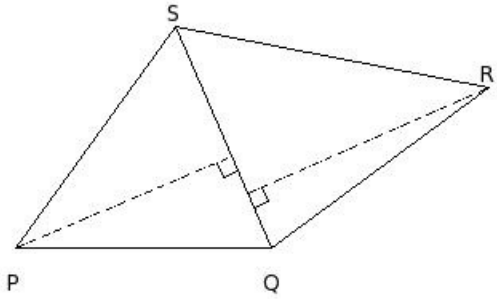
EduSahara™ Assignment

Name : Area of Quadrilaterals

Chapter : Area of Plane Figures

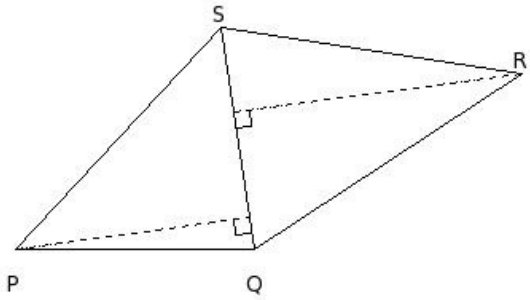
Grade : SSC Grade VIII

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 16.57 cm respectively, then height of the vertex R to the diagonal QS is



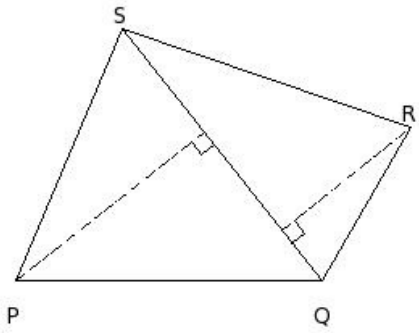
(i) 13.57 cm (ii) 16.57 cm (iii) 19.57 cm (iv) 11.57 cm (v) 21.57 cm

2. In quadrilateral PQRS, if diagonal QS = 14.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 14.85 cm and 18.15 cm respectively, then area of the quadrilateral =



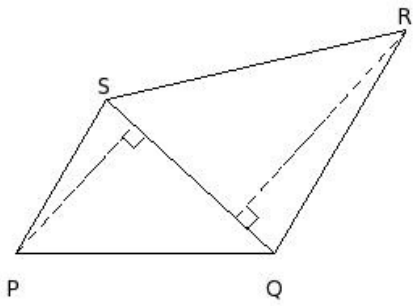
(i) 258.00 sq.cm (ii) 219.00 sq.cm (iii) 231.00 sq.cm (iv) 233.00 sq.cm (v) 217.00 sq.cm

3. In quadrilateral PQRS, if diagonal QS = 20.00 cm, height of vertex P to the diagonal QS is 14.89 cm and area is 251.40 sq.cm, then height of the vertex R to the diagonal QS is



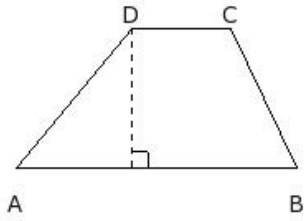
(i) 10.25 cm (ii) 7.25 cm (iii) 15.25 cm (iv) 13.25 cm (v) 5.25 cm

4. In quadrilateral PQRS, if area is 185.15 sq.cm, height of vertex P to the diagonal QS is 10.78 cm, and height of vertex R to the diagonal QS is 15.67 cm, then diagonal QS =



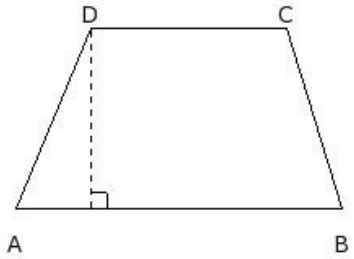
(i) 11.00 cm (ii) 9.00 cm (iii) 14.00 cm (iv) 17.00 cm (v) 19.00 cm

5. In trapezium ABCD, if distance between the parallel sides is 8.41 cm and lengths of the parallel sides AB = 17.00 cm and CD = 6.00 cm, then area of the trapezium =



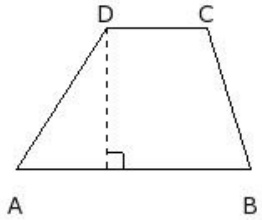
(i) 96.72 sq.cm (ii) 93.72 sq.cm (iii) 99.72 sq.cm (iv) 101.72 sq.cm (v) 91.72 sq.cm

6. In trapezium ABCD, if area is 177.44 sq.cm and lengths of the parallel sides are AB = 20.00 cm and CD = 12.00 cm, then distance between the parallel sides AB and CD =



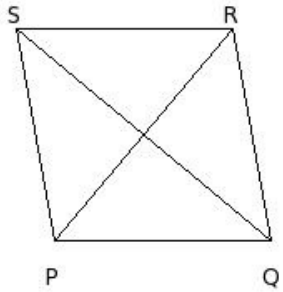
(i) 6.09 cm (ii) 11.09 cm (iii) 16.09 cm (iv) 8.09 cm (v) 14.09 cm

7. In trapezium ABCD, if one of the parallel sides AB = 14.00 cm and distance between parallel sides AB and CD is 8.40 cm and area is 84.00 sq.cm, then parallel side CD =



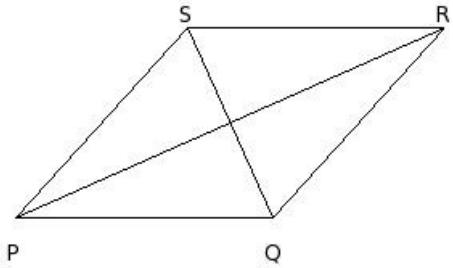
(i) 8.00 cm (ii) 5.00 cm (iii) 7.00 cm (iv) 4.00 cm (v) 6.00 cm

8. In rhombus PQRS, if diagonals QS = 20.00 cm and PR = 16.61 cm, the area of the rhombus =



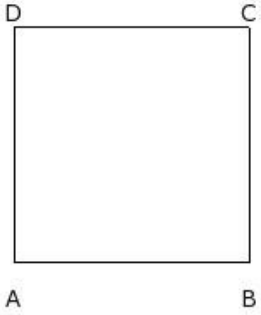
(i) 166.10 sq.cm (ii) 178.10 sq.cm (iii) 193.10 sq.cm (iv) 138.10 sq.cm (v) 159.10 sq.cm

9. In rhombus PQRS, if one of the diagonals QS = 13.00 cm and area is 190.06 sq.cm, the diagonal PR =



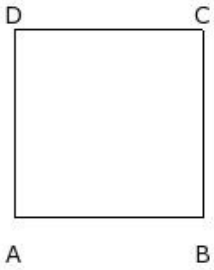
(i) 32.24 cm (ii) 34.24 cm (iii) 26.24 cm (iv) 24.24 cm (v) 29.24 cm

10. If the side of a square is 14.00 cm, the perimeter of the square =



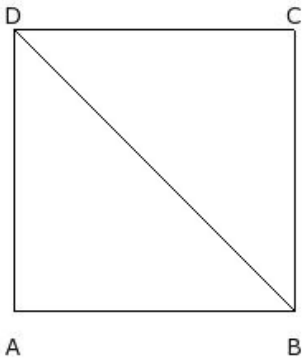
(i) 59.00 cm (ii) 51.00 cm (iii) 56.00 cm (iv) 61.00 cm (v) 53.00 cm

11. If the side of a square is 11.00 cm, the area of the square =



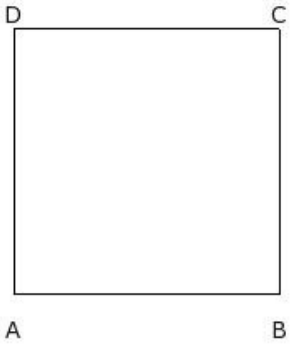
(i) 121.00 sq.cm (ii) 139.00 sq.cm (iii) 95.00 sq.cm (iv) 143.00 sq.cm (v) 118.00 sq.cm

12. If the side of a square is 17.00 cm, the length of the diagonal of the square =



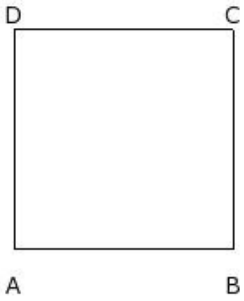
(i) 27.04 cm (ii) 29.04 cm (iii) 21.04 cm (iv) 24.04 cm (v) 19.04 cm

13. If the perimeter of a square is 64.00 cm, the side of the square =



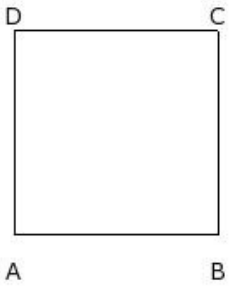
(i) 11.00 cm (ii) 21.00 cm (iii) 13.00 cm (iv) 16.00 cm (v) 19.00 cm

14. If the perimeter of a square is 52.00 cm, the area of the square =



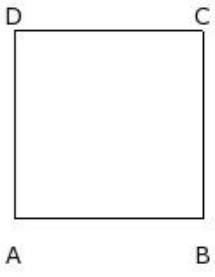
(i) 184.00 sq.cm (ii) 181.00 sq.cm (iii) 165.00 sq.cm (iv) 169.00 sq.cm (v) 146.00 sq.cm

15. If the area of a square is 144.00 sq.cm, the side of the square =



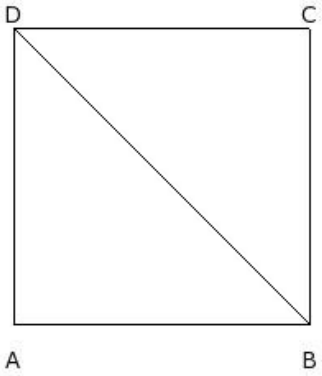
(i) 9.00 cm (ii) 7.00 cm (iii) 15.00 cm (iv) 17.00 cm (v) 12.00 cm

16. If the area of a square is 121.00 sq.cm, the perimeter of the square =



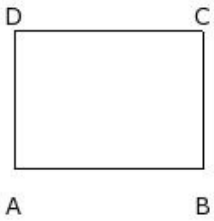
(i) 41.00 cm (ii) 49.00 cm (iii) 44.00 cm (iv) 47.00 cm (v) 39.00 cm

17. If the area of a square is 324.00 sq.cm, the length of the diagonal of the square =



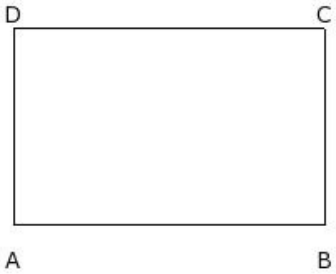
(i) 22.45 cm (ii) 20.45 cm (iii) 25.45 cm (iv) 28.45 cm (v) 30.45 cm

18. If the length and breadth of a rectangle are 11.00 cm and 8.00 cm respectively, the perimeter of the rectangle =



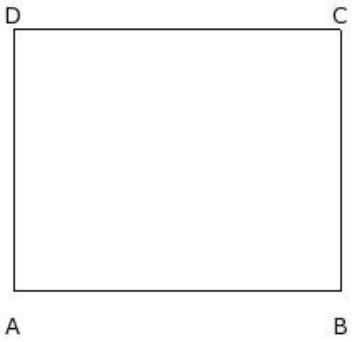
(i) 33.00 cm (ii) 35.00 cm (iii) 41.00 cm (iv) 43.00 cm (v) 38.00 cm

19. If the length and breadth of a rectangle are 19.00 cm and 12.00 cm respectively, the area of the rectangle =



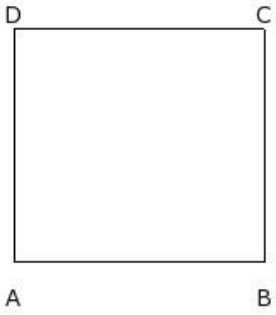
(i) 200.00 sq.cm (ii) 228.00 sq.cm (iii) 211.00 sq.cm (iv) 251.00 sq.cm (v) 243.00 sq.cm

20. If the length and perimeter of a rectangle are 20.00 cm and 72.00 cm respectively, the breadth of the rectangle =



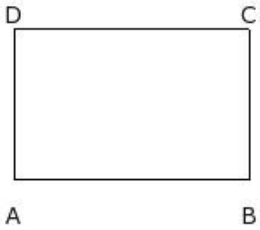
(i) 13.00 cm (ii) 21.00 cm (iii) 16.00 cm (iv) 19.00 cm (v) 11.00 cm

21. If the length and perimeter of a rectangle are 15.00 cm and 58.00 cm respectively, the area of the rectangle =



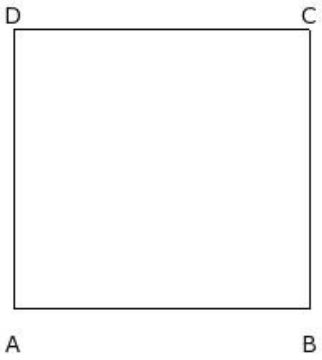
(i) 210.00 sq.cm (ii) 225.00 sq.cm (iii) 223.00 sq.cm (iv) 202.00 sq.cm (v) 183.00 sq.cm

22. If the length and area of a rectangle are 14.00 cm and 126.00 sq.cm respectively, the perimeter of the rectangle =



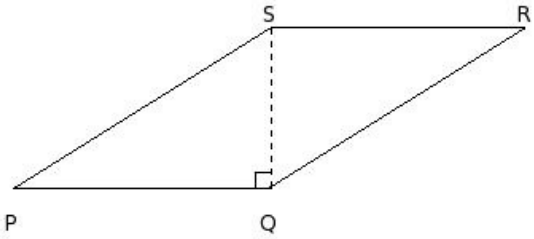
(i) 46.00 cm (ii) 51.00 cm (iii) 49.00 cm (iv) 43.00 cm (v) 41.00 cm

23. If the breadth and perimeter of a rectangle are 17.00 cm and 70.00 cm respectively, the area of the rectangle =



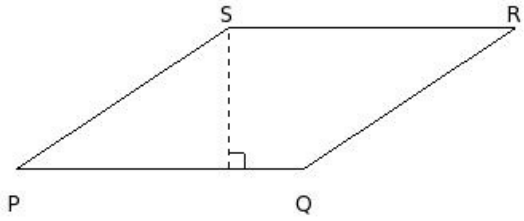
(i) 321.00 sq.cm (ii) 306.00 sq.cm (iii) 293.00 sq.cm (iv) 334.00 sq.cm (v) 292.00 sq.cm

24. In parallelogram PQRS, if base PQ = 16.00 cm and the corresponding height is 10.00 cm, then area of the parallelogram =



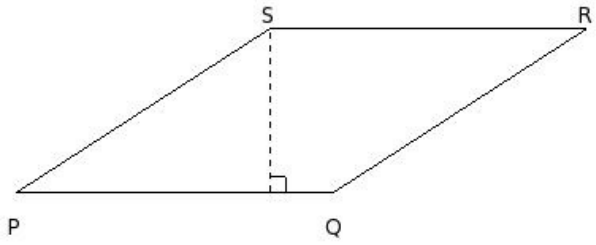
(i) 160.00 sq.cm (ii) 175.00 sq.cm (iii) 153.00 sq.cm (iv) 178.00 sq.cm (v) 144.00 sq.cm

25. In parallelogram PQRS, if base PQ = 18.00 cm and area is 159.12 sq.cm, the corresponding height to the base PQ is



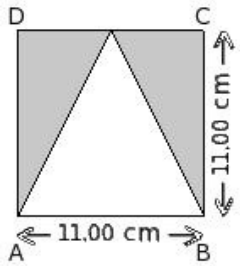
(i) 9.84 cm (ii) 8.84 cm (iii) 7.84 cm (iv) 10.84 cm (v) 6.84 cm

26. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 10.25 cm and area is 205.00 sq.cm, the base of the parallelogram PQ =



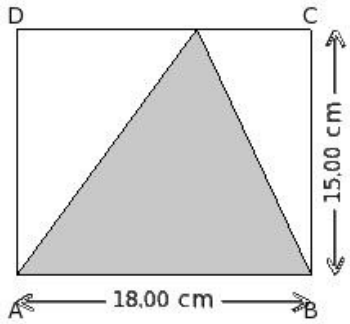
(i) 15.00 cm (ii) 20.00 cm (iii) 23.00 cm (iv) 25.00 cm (v) 17.00 cm

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



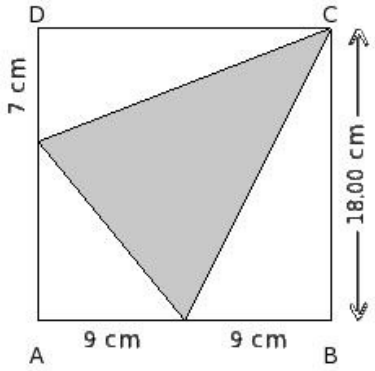
(i) 65.50 sq.cm (ii) 55.50 sq.cm (iii) 63.50 sq.cm (iv) 57.50 sq.cm (v) 60.50 sq.cm

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



(i) 135.00 sq.cm (ii) 117.00 sq.cm (iii) 151.00 sq.cm (iv) 148.00 sq.cm (v) 130.00 sq.cm

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



(i) 148.50 sq.cm (ii) 130.50 sq.cm (iii) 114.50 sq.cm (iv) 115.50 sq.cm

Assignment Key

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