EduSahara™ Assignment

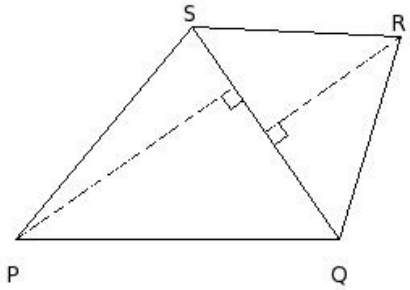
Name : Area of Quadrilaterals

Chapter : Area of Plane Figures

Grade : SSC Grade VIII

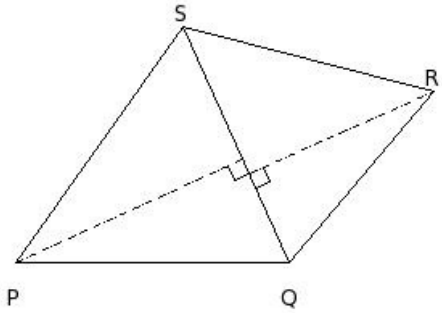
License : Non Commercial Use

1. In quadrilateral PQRS, if diagonal QS = 16.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 16.38 cm and 10.25 cm respectively, then height of the vertex R to the diagonal QS is



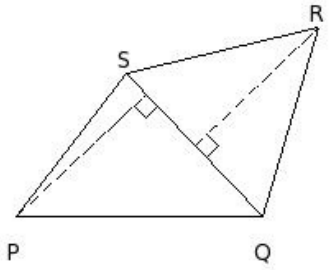
(i) 5.25 cm (ii) 13.25 cm (iii) 10.25 cm (iv) 7.25 cm (v) 15.25 cm

2. In quadrilateral PQRS, if diagonal QS = 16.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 15.53 cm and 12.59 cm respectively, then area of the quadrilateral =



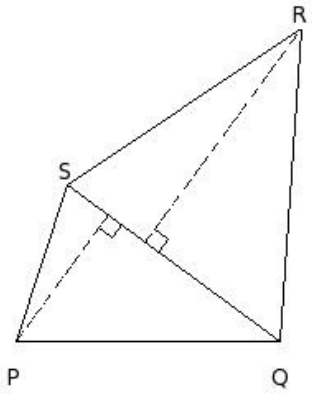
(i) 199.96 sq.cm (ii) 248.96 sq.cm (iii) 232.96 sq.cm (iv) 207.96 sq.cm (v) 224.96 sq.cm

3. In quadrilateral PQRS, if diagonal QS = 12.00 cm, height of vertex P to the diagonal QS is 10.87 cm and area is 127.56 sq.cm, then height of the vertex R to the diagonal QS is



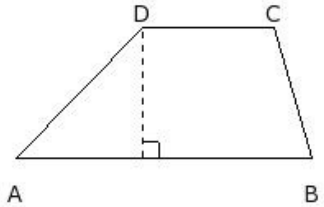
(i) 15.39 cm (ii) 5.39 cm (iii) 7.39 cm (iv) 13.39 cm (v) 10.39 cm

4. In quadrilateral PQRS, if area is 204.00 sq.cm, height of vertex P to the diagonal QS is 9.50 cm, and height of vertex R to the diagonal QS is 16.00 cm, then diagonal QS =



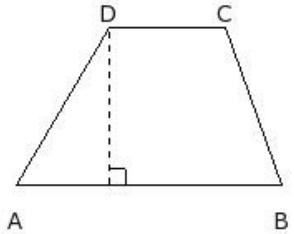
(i) 16.00 cm (ii) 21.00 cm (iii) 13.00 cm (iv) 19.00 cm (v) 11.00 cm

5. In trapezium ABCD, if distance between the parallel sides is 7.89 cm and lengths of the parallel sides AB = 18.00 cm and CD = 8.00 cm, then area of the trapezium =



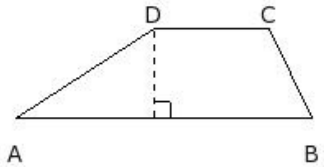
(i) 102.57 sq.cm (ii) 116.57 sq.cm (iii) 85.57 sq.cm (iv) 100.57 sq.cm (v) 117.57 sq.cm

6. In trapezium ABCD, if area is 108.44 sq.cm and lengths of the parallel sides are AB = 16.00 cm and CD = 7.00 cm, then distance between the parallel sides AB and CD =



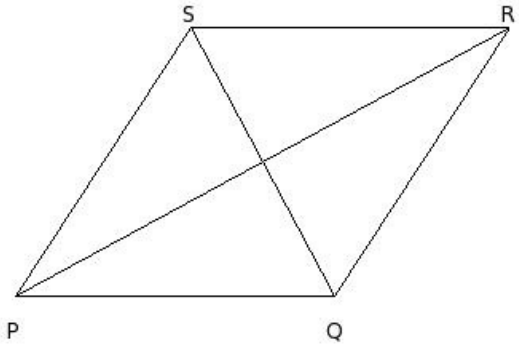
(i) 10.43 cm (ii) 9.43 cm (iii) 7.43 cm (iv) 8.43 cm (v) 11.43 cm

7. In trapezium ABCD, if one of the parallel sides AB = 18.00 cm and distance between parallel sides AB and CD is 5.40 cm and area is 67.50 sq.cm, then parallel side CD =



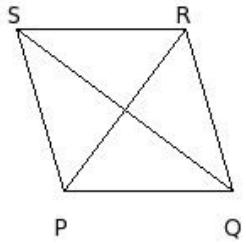
(i) 8.00 cm (ii) 5.00 cm (iii) 7.00 cm (iv) 6.00 cm (v) 9.00 cm

8. In rhombus PQRS, if diagonals QS = 19.00 cm and PR = 35.20 cm, the area of the rhombus =



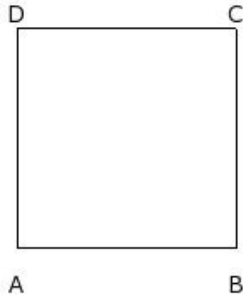
(i) 319.40 sq.cm (ii) 357.40 sq.cm (iii) 322.40 sq.cm (iv) 334.40 sq.cm (v) 351.40 sq.cm

9. In rhombus PQRS, if one of the diagonals QS = 16.00 cm and area is 96.00 sq.cm, the diagonal PR =



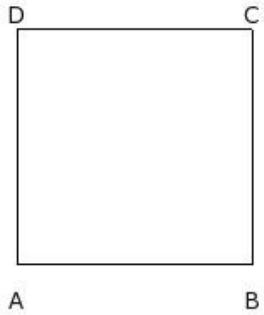
(i) 17.00 cm (ii) 7.00 cm (iii) 12.00 cm (iv) 15.00 cm (v) 9.00 cm

10. If the side of a square is 13.00 cm, the perimeter of the square =



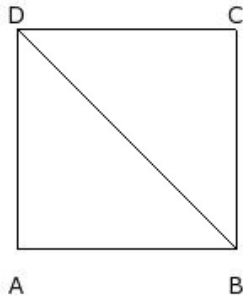
(i) 57.00 cm (ii) 52.00 cm (iii) 47.00 cm (iv) 49.00 cm (v) 55.00 cm

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



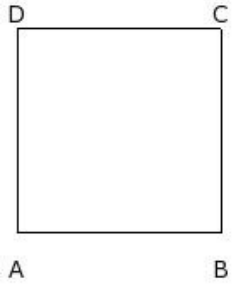
(i) 209.00 sq.cm (ii) 214.00 sq.cm (iii) 190.00 sq.cm (iv) 196.00 sq.cm (v) 182.00 sq.cm

12. If the side of a square is 13.00 cm, the length of the diagonal of the square =



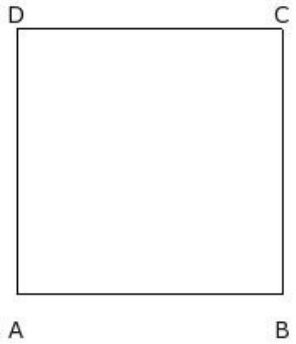
(i) 15.38 cm (ii) 23.38 cm (iii) 21.38 cm (iv) 13.38 cm (v) 18.38 cm

13. If the perimeter of a square is 48.00 cm, the side of the square =



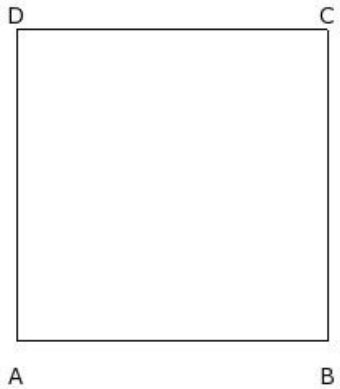
(i) 7.00 cm (ii) 12.00 cm (iii) 9.00 cm (iv) 17.00 cm (v) 15.00 cm

14. If the perimeter of a square is 64.00 cm, the area of the square =



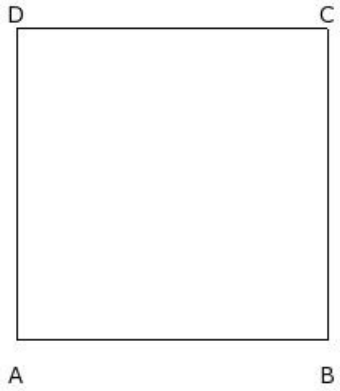
(i) 269.00 sq.cm (ii) 250.00 sq.cm (iii) 278.00 sq.cm (iv) 256.00 sq.cm (v) 228.00 sq.cm

15. If the area of a square is 361.00 sq.cm, the side of the square =



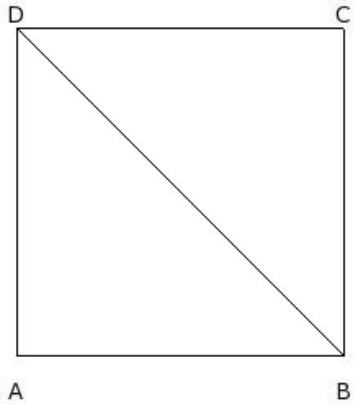
(i) 22.00 cm (ii) 16.00 cm (iii) 24.00 cm (iv) 19.00 cm (v) 14.00 cm

16. If the area of a square is 361.00 sq.cm, the perimeter of the square =



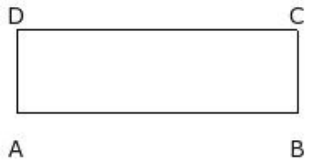
(i) 79.00 cm (ii) 71.00 cm (iii) 76.00 cm (iv) 81.00 cm (v) 73.00 cm

17. If the area of a square is 400.00 sq.cm, the length of the diagonal of the square =



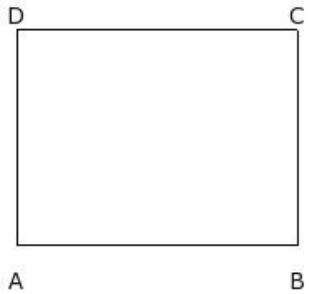
(i) 23.28 cm (ii) 31.28 cm (iii) 25.28 cm (iv) 33.28 cm (v) 28.28 cm

18. If the length and breadth of a rectangle are 17.00 cm and 5.00 cm respectively, the perimeter of the rectangle =



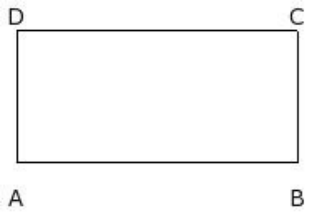
(i) 44.00 cm (ii) 49.00 cm (iii) 47.00 cm (iv) 39.00 cm (v) 41.00 cm

19. If the length and breadth of a rectangle are 17.00 cm and 13.00 cm respectively, the area of the rectangle =



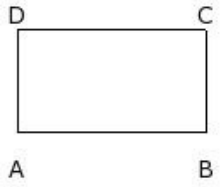
(i) 208.00 sq.cm (ii) 236.00 sq.cm (iii) 193.00 sq.cm (iv) 221.00 sq.cm (v) 224.00 sq.cm

20. If the length and perimeter of a rectangle are 17.00 cm and 50.00 cm respectively, the breadth of the rectangle =



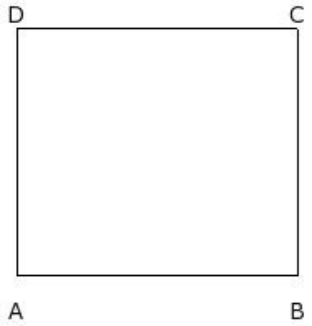
(i) 7.00 cm (ii) 8.00 cm (iii) 9.00 cm (iv) 6.00 cm (v) 10.00 cm

21. If the length and perimeter of a rectangle are 11.00 cm and 34.00 cm respectively, the area of the rectangle =



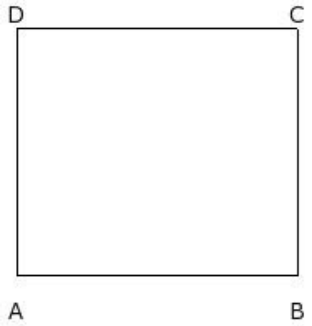
(i) 63.00 sq.cm (ii) 61.00 sq.cm (iii) 69.00 sq.cm (iv) 66.00 sq.cm (v) 71.00 sq.cm

22. If the length and area of a rectangle are 17.00 cm and 255.00 sq.cm respectively, the perimeter of the rectangle =



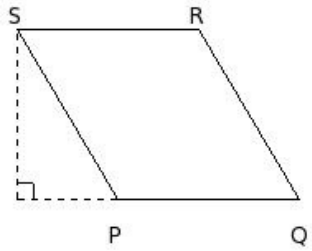
(i) 64.00 cm (ii) 61.00 cm (iii) 59.00 cm (iv) 69.00 cm (v) 67.00 cm

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



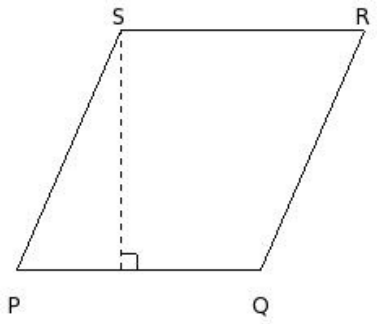
(i) 227.00 sq.cm (ii) 270.00 sq.cm (iii) 255.00 sq.cm (iv) 261.00 sq.cm (v) 243.00 sq.cm

24. In parallelogram PQRS, if base PQ = 11.00 cm and the corresponding height is 10.31 cm, then area of the parallelogram =



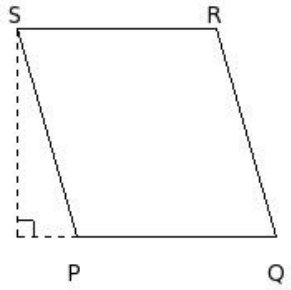
(i) 100.41 sq.cm (ii) 115.41 sq.cm (iii) 98.41 sq.cm (iv) 113.41 sq.cm (v) 136.41 sq.cm

25. In parallelogram PQRS, if base PQ = 15.00 cm and area is 219.90 sq.cm, the corresponding height to the base PQ is



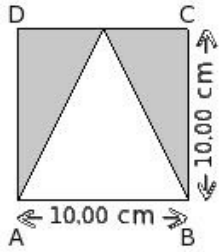
(i) 17.66 cm (ii) 9.66 cm (iii) 11.66 cm (iv) 14.66 cm (v) 19.66 cm

26. 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 =



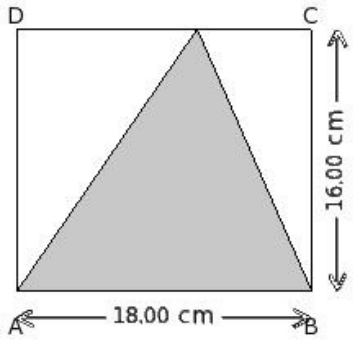
(i) 12.00 cm (ii) 17.00 cm (iii) 9.00 cm (iv) 7.00 cm (v) 15.00 cm

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



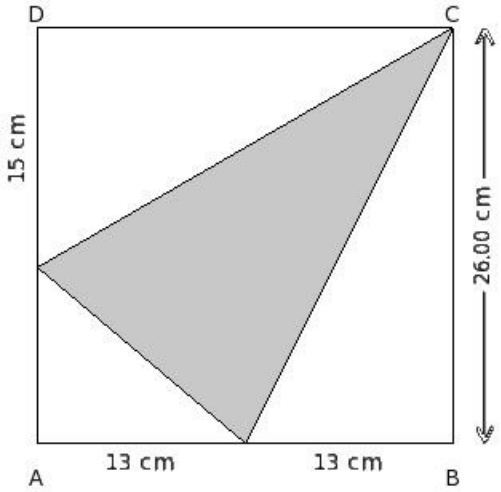
(i) 55.00 sq.cm (ii) 45.00 sq.cm (iii) 50.00 sq.cm (iv) 53.00 sq.cm (v) 47.00 sq.cm

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



(i) 127.00 sq.cm (ii) 144.00 sq.cm (iii) 167.00 sq.cm (iv) 160.00 sq.cm (v) 129.00 sq.cm

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



(i) 234.50 sq.cm (ii) 258.50 sq.cm (iii) 240.50 sq.cm (iv) 225.50 sq.cm (v) 254.50 sq.cm

Assignment Key

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

Copyright © Small Systems Computing Pvt. Ltd.