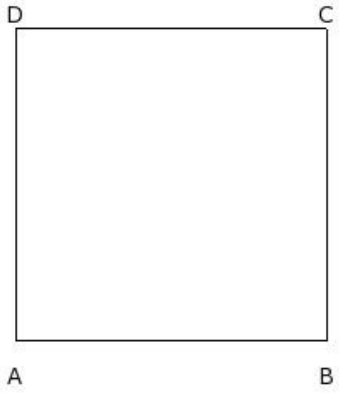
EduSahara™ Assignment

Name : Perimeter and Area of Quadrilaterals

Chapter : Perimeter and Area of Plane Figures

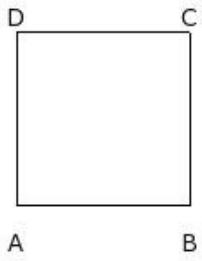
Grade : ICSE Grade IX

1. If the side of a square is 19.00 cm, the perimeter of the square =



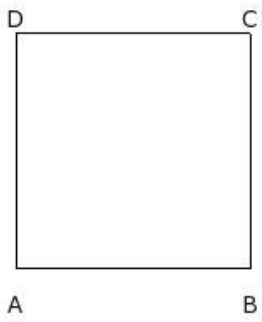
(i) 73.00 cm (ii) 71.00 cm (iii) 79.00 cm (iv) 76.00 cm (v) 81.00 cm

2. If the side of a square is 10.00 cm, the area of the square =



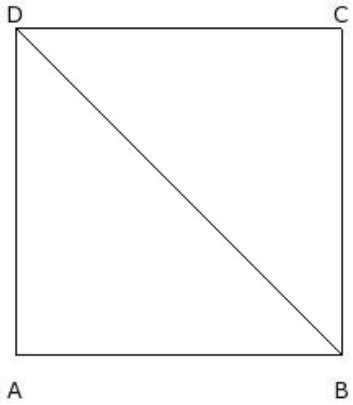
(i) 105.00 sq.cm (ii) 88.00 sq.cm (iii) 73.00 sq.cm (iv) 100.00 sq.cm (v) 117.00 sq.cm

3. If the area of a square is 196.00 sq.cm, the perimeter of the square =



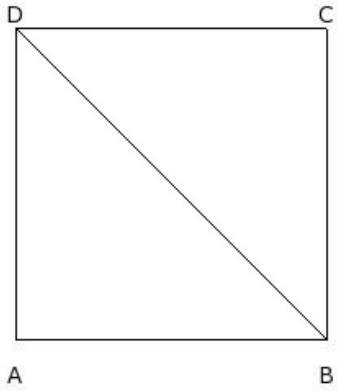
(i) 53.00 cm (ii) 56.00 cm (iii) 51.00 cm (iv) 59.00 cm (v) 61.00 cm

4. If the length of the diagonal of a square is 28.28 cm, the perimeter of the square =



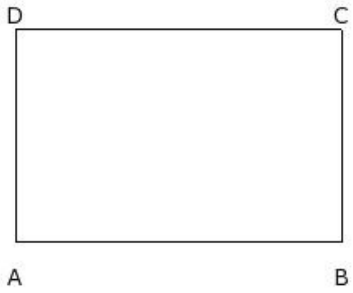
(i) 85.00 cm (ii) 77.00 cm (iii) 75.00 cm (iv) 80.00 cm (v) 83.00 cm

5. If the length of the diagonal of a square is 26.87 cm, the area of the square =



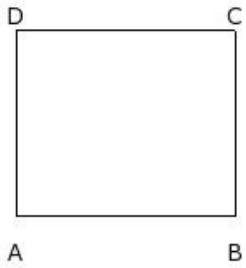
(i) 347.00 sq.cm (ii) 361.00 sq.cm (iii) 333.00 sq.cm (iv) 387.00 sq.cm (v) 364.00 sq.cm

6. If the length and breadth of a rectangle are 20.00 cm and 13.00 cm respectively, the perimeter of the rectangle =



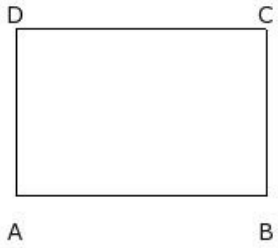
(i) 66.00 cm (ii) 71.00 cm (iii) 61.00 cm (iv) 63.00 cm (v) 69.00 cm

7. If the length and breadth of a rectangle are 13.00 cm and 11.00 cm respectively, the area of the rectangle =



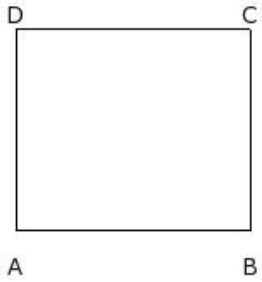
(i) 129.00 sq.cm (ii) 160.00 sq.cm (iii) 143.00 sq.cm (iv) 121.00 sq.cm

8. If the length and perimeter of a rectangle are 15.00 cm and 50.00 cm respectively, the area of the rectangle =



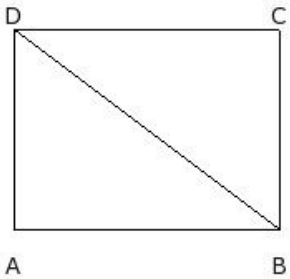
(i) 144.00 sq.cm (ii) 150.00 sq.cm (iii) 177.00 sq.cm (iv) 162.00 sq.cm (v) 122.00 sq.cm

9. If the length and area of a rectangle are 14.00 cm and 168.00 sq.cm respectively, the perimeter of the rectangle =



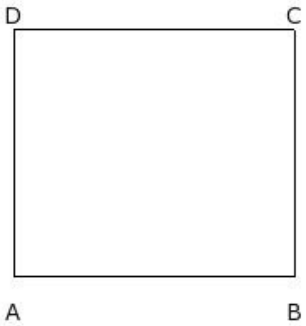
(i) 47.00 cm (ii) 49.00 cm (iii) 52.00 cm (iv) 57.00 cm (v) 55.00 cm

10. If the length and diagonal of a rectangle are 16.00 cm and 20.00 cm respectively, the perimeter of the rectangle =



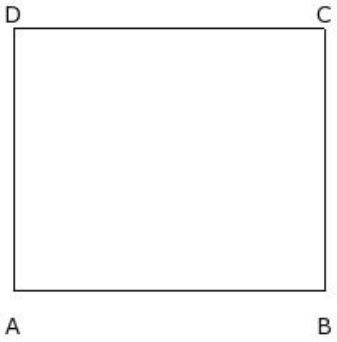
(i) 56.00 cm (ii) 59.00 cm (iii) 53.00 cm (iv) 51.00 cm (v) 61.00 cm

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



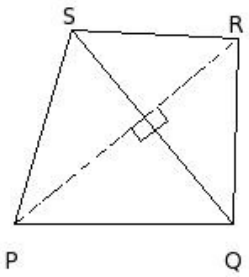
(i) 270.00 sq.cm (ii) 238.00 sq.cm (iii) 255.00 sq.cm (iv) 279.00 sq.cm (v) 227.00 sq.cm

12. If the breadth and area of a rectangle are 16.00 cm and 304.00 sq.cm respectively, the perimeter of the rectangle =



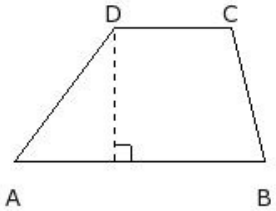
(i) 75.00 cm (ii) 70.00 cm (iii) 73.00 cm (iv) 65.00 cm (v) 67.00 cm

13. In quadrilateral PQRS, if diagonal QS = 15.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 9.98 cm and 7.33 cm respectively, then area of the quadrilateral =



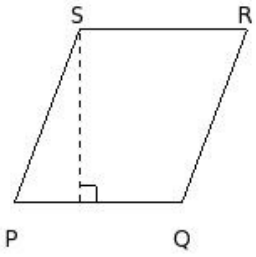
(i) 115.82 sq.cm (ii) 129.82 sq.cm (iii) 142.82 sq.cm (iv) 151.82 sq.cm (v) 104.82 sq.cm

14. In trapezium ABCD, if distance between the parallel sides is 7.97 cm and lengths of the parallel sides AB = 15.00 cm and CD = 7.00 cm, then area of the trapezium =



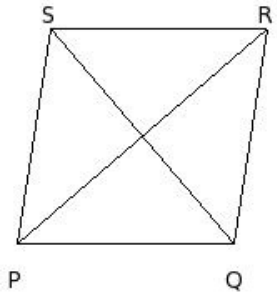
(i) 90.67 sq.cm (ii) 92.67 sq.cm (iii) 82.67 sq.cm (iv) 87.67 sq.cm (v) 84.67 sq.cm

15. In parallelogram PQRS, if base PQ = 10.00 cm and the corresponding height is 10.30 cm, then area of the parallelogram =



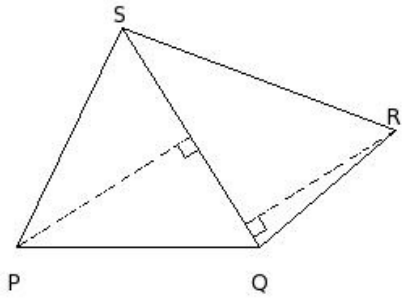
(i) 86.00 sq.cm (ii) 115.00 sq.cm (iii) 103.00 sq.cm (iv) 119.00 sq.cm (v) 85.00 sq.cm

16. In rhombus PQRS, if diagonals QS = 17.00 cm and PR = 19.67 cm, the area of the rhombus =



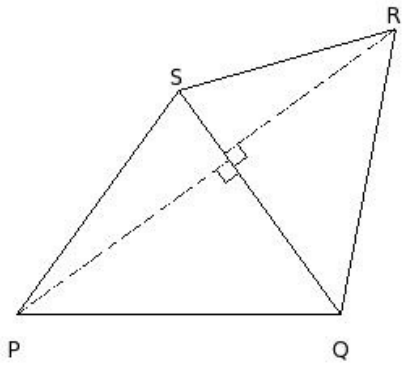
(i) 173.20 sq.cm (ii) 162.20 sq.cm (iii) 180.20 sq.cm (iv) 167.20 sq.cm (v) 155.20 sq.cm

17. In quadrilateral PQRS, if diagonal QS = 16.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 12.69 cm and 10.87 cm respectively, then height of the vertex R to the diagonal QS is



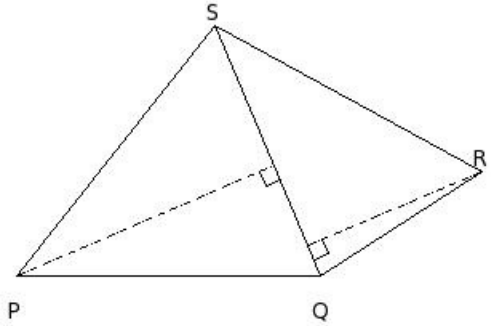
(i) 10.87 cm (ii) 15.87 cm (iii) 7.87 cm (iv) 13.87 cm (v) 5.87 cm

18. In quadrilateral PQRS, if diagonal QS = 17.00 cm, height of vertex P to the diagonal QS is 16.17 cm and area is 249.39 sq.cm, then height of the vertex R to the diagonal QS is



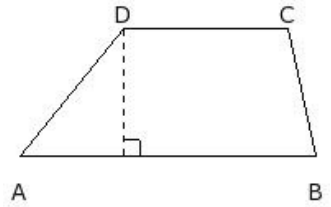
(i) 10.17 cm (ii) 8.17 cm (iii) 16.17 cm (iv) 18.17 cm (v) 13.17 cm

19. In quadrilateral PQRS, if area is 249.31 sq.cm, height of vertex P to the diagonal QS is 17.52 cm, and height of vertex R to the diagonal QS is 11.81 cm, then diagonal QS =



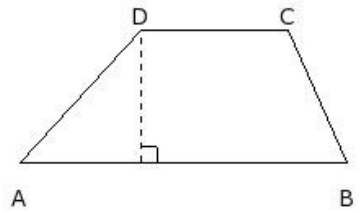
(i) 17.00 cm (ii) 22.00 cm (iii) 12.00 cm (iv) 14.00 cm (v) 20.00 cm

20. In trapezium ABCD, if area is 108.36 sq.cm and lengths of the parallel sides are AB = 18.00 cm and CD = 10.00 cm, then distance between the parallel sides AB and CD =



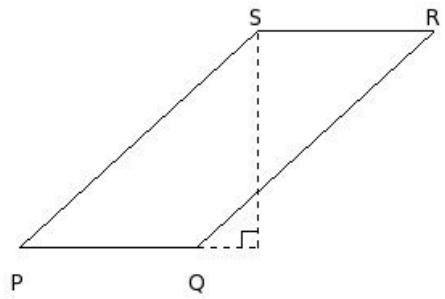
(i) 6.74 cm (ii) 7.74 cm (iii) 8.74 cm (iv) 9.74 cm (v) 5.74 cm

21. In trapezium ABCD, if one of the parallel sides AB = 20.00 cm and distance between parallel sides AB and CD is 8.14 cm and area is 118.03 sq.cm, then parallel side CD =



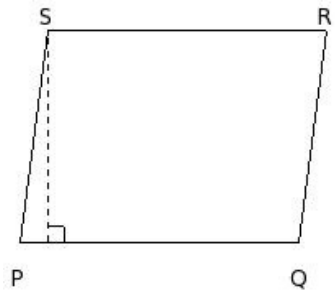
(i) 7.00 cm (ii) 9.00 cm (iii) 11.00 cm (iv) 8.00 cm (v) 10.00 cm

22. In parallelogram PQRS, if base PQ = 11.00 cm and area is 148.28 sq.cm, the corresponding height to the base PQ is



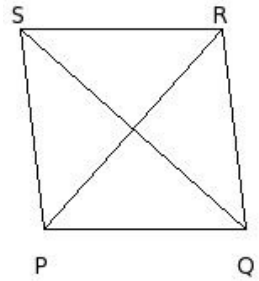
(i) 8.48 cm (ii) 10.48 cm (iii) 13.48 cm (iv) 18.48 cm (v) 16.48 cm

23. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 12.89 cm and area is 219.13 sq.cm, the base of the parallelogram PQ =



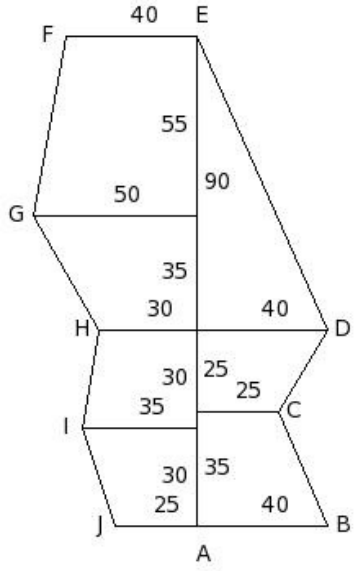
(i) 14.00 cm (ii) 12.00 cm (iii) 17.00 cm (iv) 20.00 cm (v) 22.00 cm

24. In rhombus PQRS, if one of the diagonals QS = 18.00 cm and area is 142.83 sq.cm, the diagonal PR =



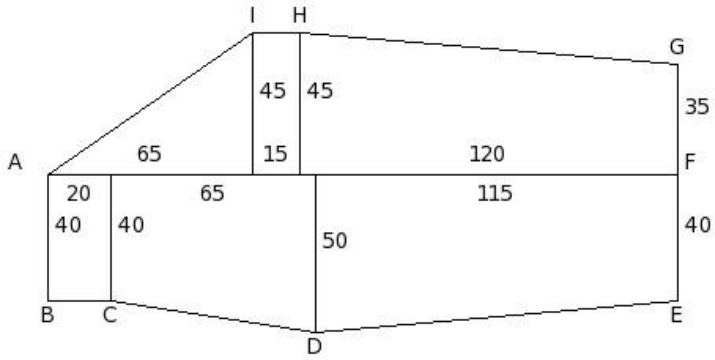
(i) 20.87 cm (ii) 15.87 cm (iii) 12.87 cm (iv) 18.87 cm (v) 10.87 cm

25. Find the area of the field shown in the figure. All dimensions are in m



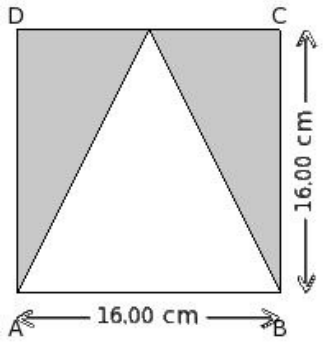
(i) 9440.00 sq.m (ii) 9500.00 sq.m (iii) 9250.00 sq.m (iv) 9530.00 sq.m (v) 9720.00 sq.m

26. Find the area of the field shown in the figure. All dimensions are in m



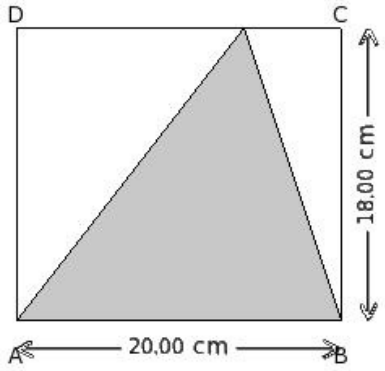
(i) 17337.50 sq.m (ii) 15837.50 sq.m (iii) 17437.50 sq.m (iv) 13237.50 sq.m (v) 14537.50 sq.m

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



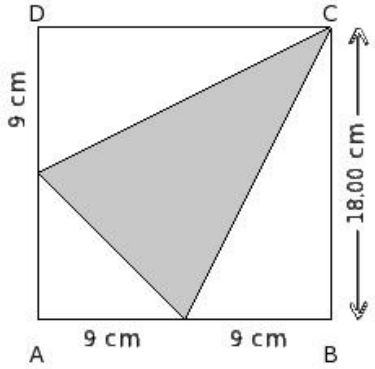
(i) 120.00 sq.cm (ii) 145.00 sq.cm (iii) 116.00 sq.cm (iv) 128.00 sq.cm (v) 152.00 sq.cm

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



(i) 164.00 sq.cm (ii) 168.00 sq.cm (iii) 193.00 sq.cm (iv) 204.00 sq.cm (v) 180.00 sq.cm

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



(i) 97.50 sq.cm (ii) 114.50 sq.cm (iii) 121.50 sq.cm (iv) 136.50 sq.cm (v) 129.50 sq.cm

Assignment Key

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