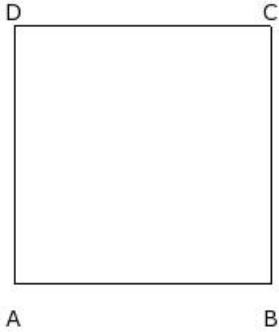


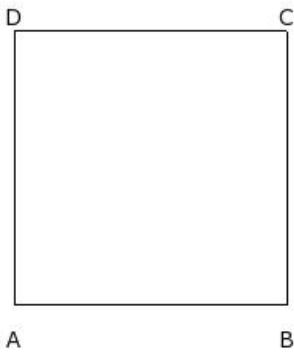
EduSahara™ Learning Center Assignment**Grade : Class IX, ICSE****Chapter : Perimeter and Area of Plane Figures****Name : Perimeter and Area of Quadrilaterals**

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



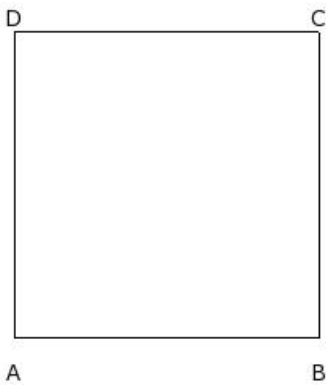
- (i) 64.00 cm (ii) 67.00 cm (iii) 59.00 cm (iv) 61.00 cm (v) 69.00 cm

2. If the side of a square is 17.00 cm, the area of the square =



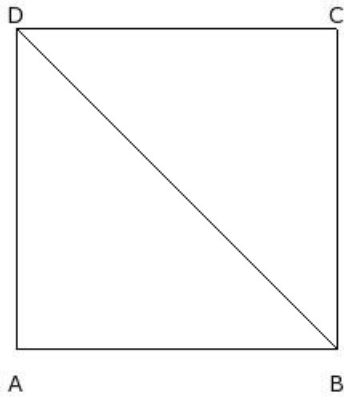
- (i) 289.00 sq.cm (ii) 262.00 sq.cm (iii) 285.00 sq.cm (iv) 307.00 sq.cm (v) 311.00 sq.cm

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



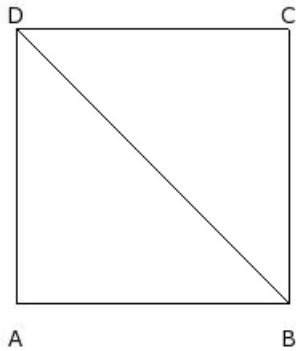
- (i) 73.00 cm (ii) 81.00 cm (iii) 71.00 cm (iv) 79.00 cm (v) 76.00 cm

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



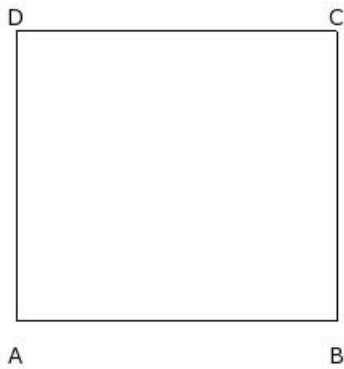
- (i) 77.00 cm (ii) 80.00 cm (iii) 75.00 cm (iv) 85.00 cm (v) 83.00 cm

5. If the length of the diagonal of a square is 24.04 cm, the area of the square =



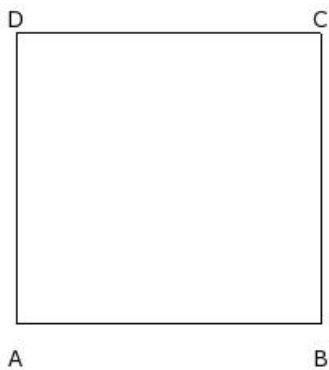
- (i) 273.00 sq.cm (ii) 305.00 sq.cm (iii) 302.00 sq.cm (iv) 289.00 sq.cm (v) 282.00 sq.cm

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



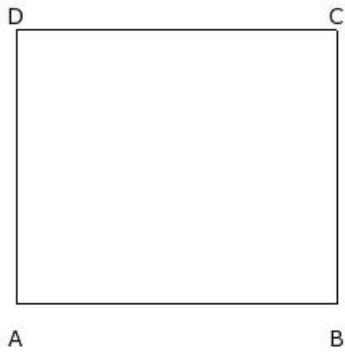
- (i) 71.00 cm (ii) 73.00 cm (iii) 81.00 cm (iv) 76.00 cm (v) 79.00 cm

7. If the length and breadth of a rectangle are 19.00 cm and 18.00 cm respectively, the area of the rectangle =



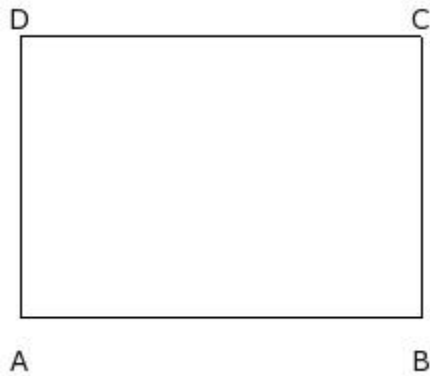
- (i) 327.00 sq.cm (ii) 342.00 sq.cm (iii) 350.00 sq.cm (iv) 368.00 sq.cm (v) 339.00 sq.cm

8. If the length and perimeter of a rectangle are 20.00 cm and 74.00 cm respectively, the area of the rectangle =



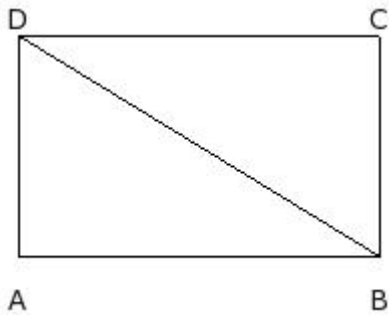
- (i) 323.00 sq.cm (ii) 340.00 sq.cm (iii) 364.00 sq.cm (iv) 355.00 sq.cm (v) 318.00 sq.cm

9. If the length and area of a rectangle are 20.00 cm and 280.00 sq.cm respectively, the perimeter of the rectangle =



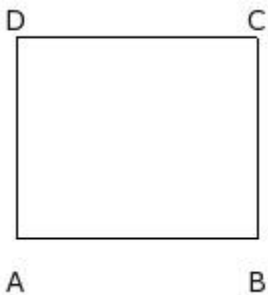
- (i) 68.00 cm (ii) 73.00 cm (iii) 65.00 cm (iv) 71.00 cm (v) 63.00 cm

10. If the length and diagonal of a rectangle are 18.00 cm and 21.10 cm respectively, the perimeter of the rectangle =



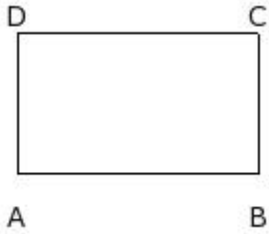
- (i) 55.00 cm (ii) 53.00 cm (iii) 63.00 cm (iv) 58.00 cm (v) 61.00 cm

11. If the breadth and perimeter of a rectangle are 10.00 cm and 44.00 cm respectively, the area of the rectangle =



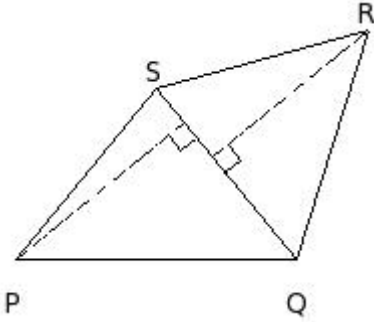
- (i) 137.00 sq.cm (ii) 134.00 sq.cm (iii) 118.00 sq.cm (iv) 120.00 sq.cm (v) 98.00 sq.cm

12. If the breadth and area of a rectangle are 7.00 cm and 84.00 sq.cm respectively, the perimeter of the rectangle =



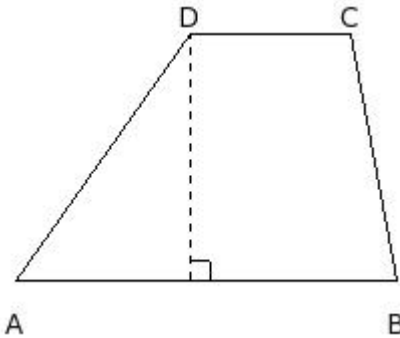
- (i) 43.00 cm (ii) 41.00 cm (iii) 33.00 cm (iv) 38.00 cm (v) 35.00 cm

13. In quadrilateral PQRS, if diagonal QS = 11.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 10.80 cm and 10.06 cm respectively, then area of the quadrilateral =



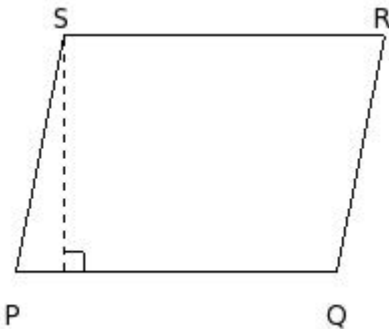
- (i) 102.73 sq.cm (ii) 99.73 sq.cm (iii) 137.73 sq.cm (iv) 114.73 sq.cm (v) 128.73 sq.cm

14. In trapezium ABCD, if distance between the parallel sides is 12.23 cm and lengths of the parallel sides AB = 19.00 cm and CD = 8.00 cm, then area of the trapezium =



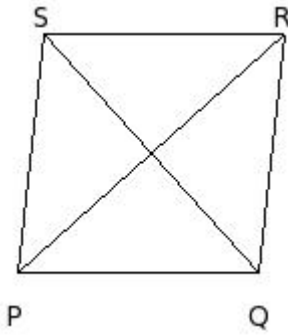
- (i) 165.11 sq.cm (ii) 179.11 sq.cm (iii) 141.11 sq.cm (iv) 183.11 sq.cm (v) 162.11 sq.cm

15. In parallelogram PQRS, if base PQ = 16.00 cm and the corresponding height is 11.76 cm, then area of the parallelogram =



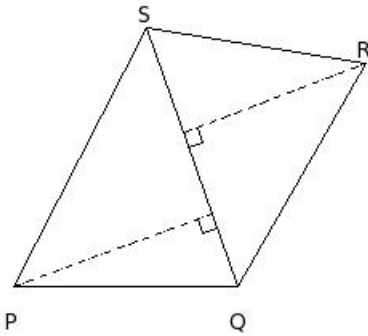
- (i) 184.16 sq.cm (ii) 161.16 sq.cm (iii) 188.16 sq.cm (iv) 196.16 sq.cm (v) 205.16 sq.cm

16. In rhombus PQRS, if diagonals QS = 16.00 cm and PR = 17.89 cm, the area of the rhombus =



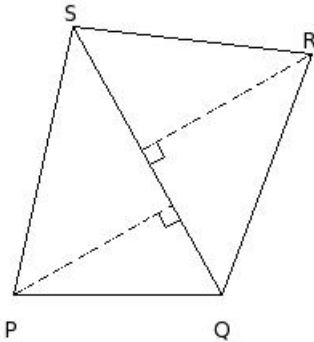
- (i) 155.12 sq.cm (ii) 143.12 sq.cm (iii) 147.12 sq.cm (iv) 130.12 sq.cm (v) 116.12 sq.cm

17. In quadrilateral PQRS, if diagonal $QS = 17.00$ cm, perpendiculars from the vertices P and R to the diagonal QS are 13.17 cm and 12.27 cm respectively, then height of the vertex R to the diagonal QS is



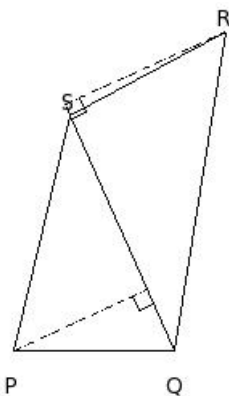
- (i) 12.27 cm (ii) 9.27 cm (iii) 7.27 cm (iv) 17.27 cm (v) 15.27 cm

18. In quadrilateral PQRS, if diagonal $QS = 19.00$ cm, height of vertex P to the diagonal QS is 11.35 cm and area is 224.01 sq.cm, then height of the vertex R to the diagonal QS is



- (i) 7.23 cm (ii) 15.23 cm (iii) 12.23 cm (iv) 9.23 cm (v) 17.23 cm

19. In quadrilateral PQRS, if area is 160.80 sq.cm, height of vertex P to the diagonal QS is 9.12 cm, and height of vertex S to the diagonal QS is 10.98 cm, then diagonal QS =



- (i) (ii) (iii) (iv) (v)

13.00 cm

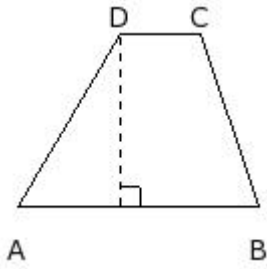
19.00 cm

21.00 cm

11.00 cm

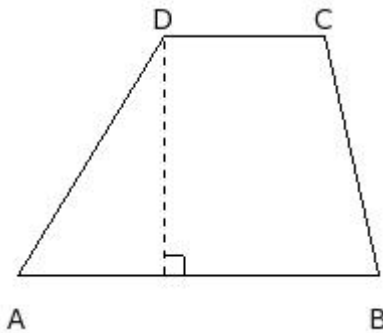
16.00 cm

20. In trapezium ABCD, if area is 68.72 sq.cm and lengths of the parallel sides are $AB = 12.00$ cm and $CD = 4.00$ cm, then distance between the parallel sides AB and CD =



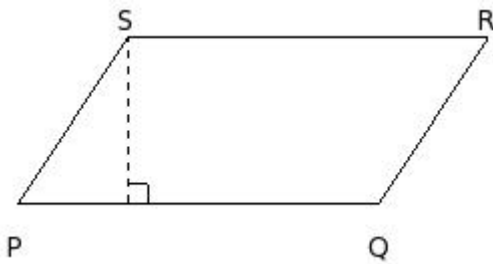
- (i) 10.59 cm (ii) 7.59 cm (iii) 6.59 cm (iv) 9.59 cm (v) 8.59 cm

21. In trapezium ABCD, if one of the parallel sides $AB = 18.00$ cm and distance between parallel sides AB and CD is 11.93 cm and area is 155.09 sq.cm, then parallel side CD =



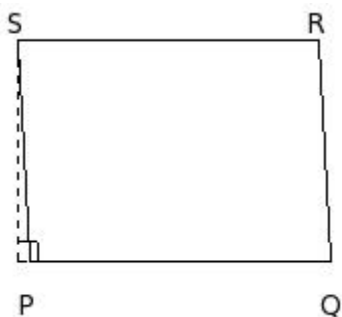
- (i) 6.00 cm (ii) 10.00 cm (iii) 8.00 cm (iv) 9.00 cm (v) 7.00 cm

22. In parallelogram PQRS, if base PQ = 18.00 cm and area is 149.94 sq.cm, the corresponding height to the base PQ is



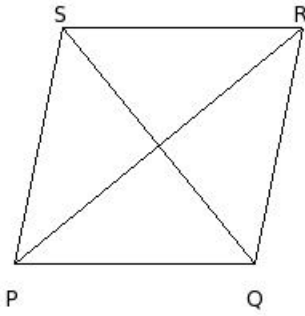
- (i) 10.33 cm (ii) 7.33 cm (iii) 6.33 cm (iv) 9.33 cm (v) 8.33 cm

23. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 10.99 cm and area is 164.85 sq.cm, the base of the parallelogram PQ =



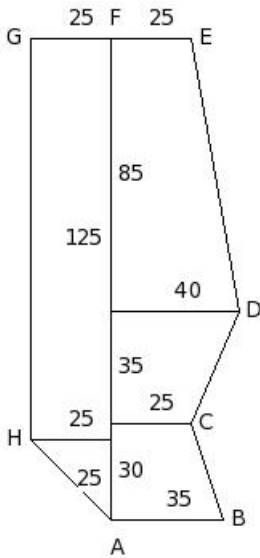
- (i) 10.00 cm (ii) 15.00 cm (iii) 20.00 cm (iv) 18.00 cm (v) 12.00 cm

24. In rhombus PQRS, if one of the diagonals $QS = 19.00$ cm and area is 220.59 sq.cm, the diagonal $PR =$



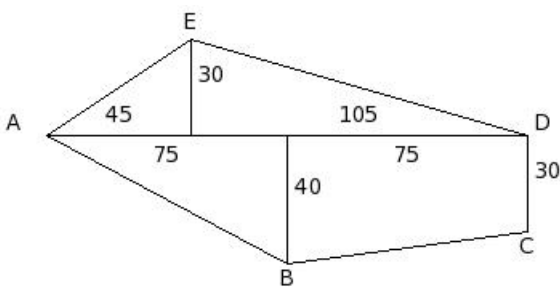
- (i) 28.22 cm (ii) 23.22 cm (iii) 18.22 cm (iv) 20.22 cm (v) 26.22 cm

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



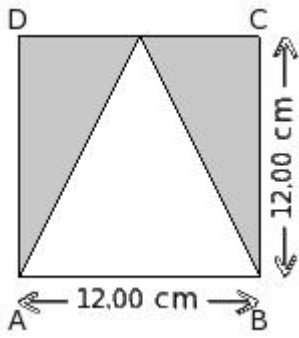
- (i) 8097.50 sq.mts (ii) 8367.50 sq.mts (iii) 8417.50 sq.mts
(iv) 8237.50 sq.mts (v) 8177.50 sq.mts

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



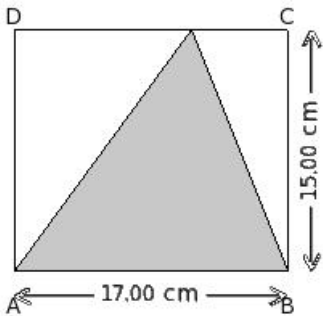
- (i) 6095.00 sq.mts (ii) 6345.00 sq.mts (iii) 6515.00 sq.mts
(iv) 6375.00 sq.mts (v) 6595.00 sq.mts

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



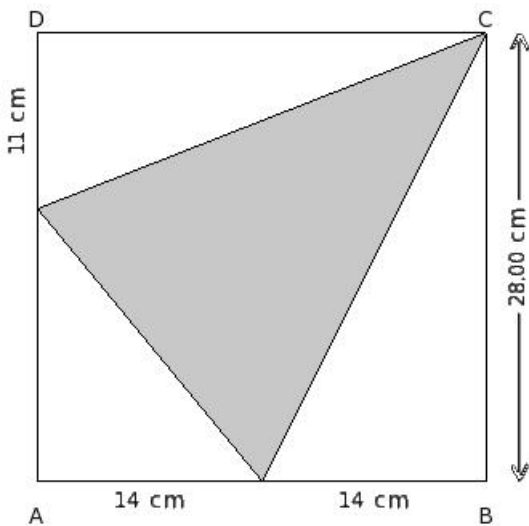
- (i) 69.00 sq.cm (ii) 75.00 sq.cm (iii) 77.00 sq.cm
 (iv) 67.00 sq.cm (v) 72.00 sq.cm

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



- (i) 110.50 sq.cm (ii) 127.50 sq.cm (iii) 105.50 sq.cm
 (iv) 142.50 sq.cm (v) 143.50 sq.cm

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



- (i) 323.00 sq.cm (ii) 287.00 sq.cm (iii) 301.00 sq.cm
 (iv) 329.00 sq.cm (v) 315.00 sq.cm

Assignment Key

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