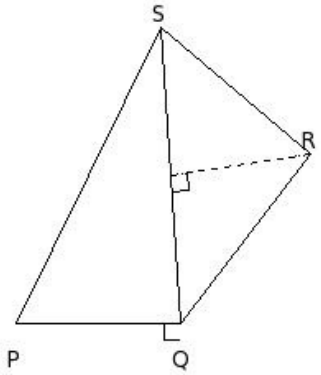
EduSahara™ Assignment

Name : Perimeter and Area of Quadrilaterals

Chapter : Perimeter and Area of Plane Figures

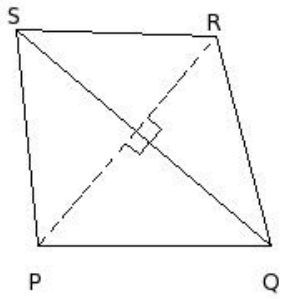
Grade : ICSE Grade VIII

1. In quadrilateral PQRS, if diagonal QS = 18.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 9.98 cm and 8.66 cm respectively, then height of the vertex R to the diagonal QS is



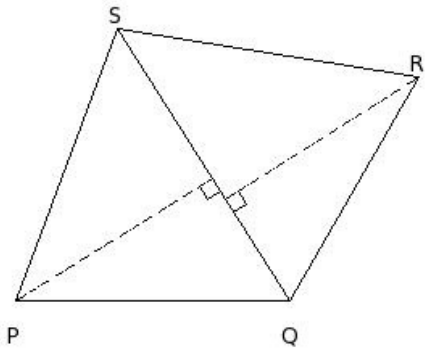
(i) 10.66 cm (ii) 6.66 cm (iii) 7.66 cm (iv) 9.66 cm (v) 8.66 cm

2. In quadrilateral PQRS, if diagonal QS = 20.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 9.06 cm and 7.49 cm respectively, then area of the quadrilateral =



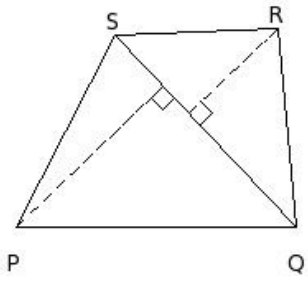
(i) 165.50 sq.cm (ii) 181.50 sq.cm (iii) 183.50 sq.cm (iv) 152.50 sq.cm (v) 138.50 sq.cm

3. In quadrilateral PQRS, if diagonal QS = 20.00 cm, height of vertex P to the diagonal QS is 14.34 cm and area is 285.40 sq.cm, then height of the vertex R to the diagonal QS is



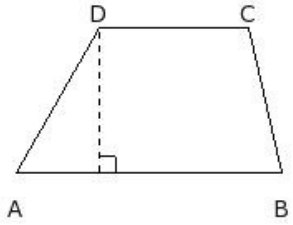
(i) 9.20 cm (ii) 17.20 cm (iii) 11.20 cm (iv) 19.20 cm (v) 14.20 cm

4. In quadrilateral PQRS, if area is 158.24 sq.cm, height of vertex P to the diagonal QS is 12.29 cm, and height of vertex R to the diagonal QS is 7.49 cm, then diagonal QS =



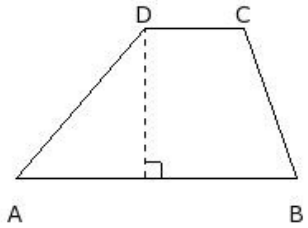
(i) 21.00 cm (ii) 13.00 cm (iii) 19.00 cm (iv) 16.00 cm (v) 11.00 cm

5. In trapezium ABCD, if distance between the parallel sides is 8.66 cm and lengths of the parallel sides AB = 16.00 cm and CD = 9.00 cm, then area of the trapezium =



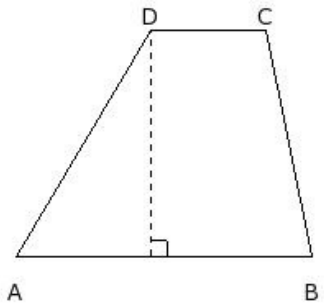
(i) 116.25 sq.cm (ii) 81.25 sq.cm (iii) 131.25 sq.cm (iv) 90.25 sq.cm (v) 108.25 sq.cm

6. In trapezium ABCD, if area is 105.23 sq.cm and lengths of the parallel sides are AB = 17.00 cm and CD = 6.00 cm, then distance between the parallel sides AB and CD =



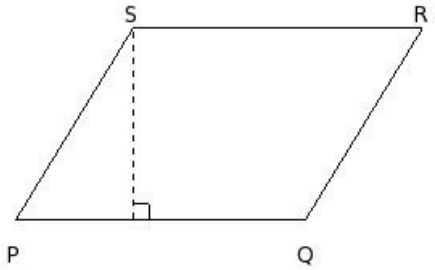
(i) 8.15 cm (ii) 9.15 cm (iii) 11.15 cm (iv) 10.15 cm (v) 7.15 cm

7. In trapezium ABCD, if one of the parallel sides AB = 18.00 cm and distance between parallel sides AB and CD is 13.81 cm and area is 172.62 sq.cm, then parallel side CD =



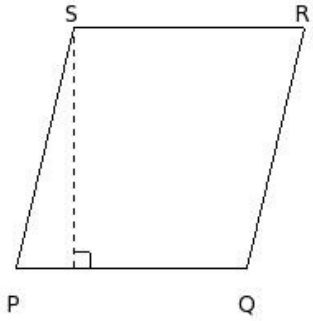
(i) 8.00 cm (ii) 7.00 cm (iii) 9.00 cm (iv) 6.00 cm (v) 5.00 cm

8. In parallelogram PQRS, if base PQ = 18.00 cm and the corresponding height is 11.93 cm, then area of the parallelogram =



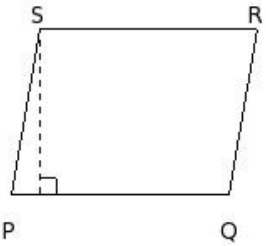
(i) 214.74 sq.cm (ii) 236.74 sq.cm (iii) 219.74 sq.cm (iv) 186.74 sq.cm (v) 201.74 sq.cm

9. In parallelogram PQRS, if base PQ = 14.00 cm and area is 204.26 sq.cm, the corresponding height to the base PQ is



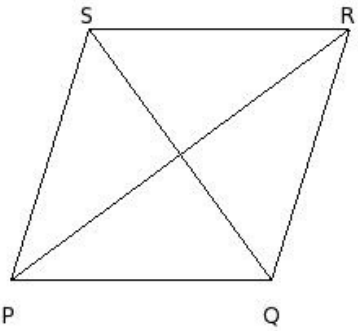
(i) 19.59 cm (ii) 9.59 cm (iii) 11.59 cm (iv) 14.59 cm (v) 17.59 cm

10. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 9.86 cm and area is 128.18 sq.cm, the base of the parallelogram PQ =



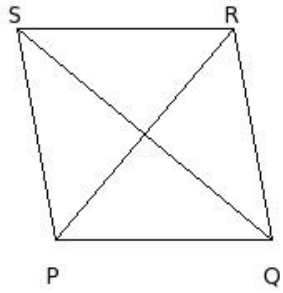
(i) 8.00 cm (ii) 13.00 cm (iii) 10.00 cm (iv) 16.00 cm (v) 18.00 cm

11. In rhombus PQRS, if diagonals QS = 19.00 cm and PR = 25.75 cm, the area of the rhombus =



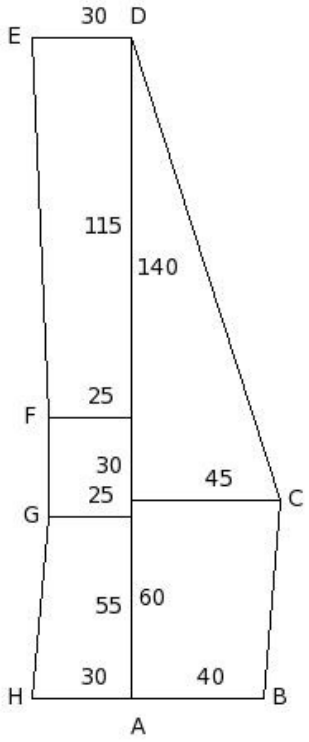
(i) 228.62 sq.cm (ii) 246.62 sq.cm (iii) 244.62 sq.cm (iv) 267.62 sq.cm (v) 217.62 sq.cm

12. In rhombus PQRS, if one of the diagonals QS = 20.00 cm and area is 166.10 sq.cm, the diagonal PR =



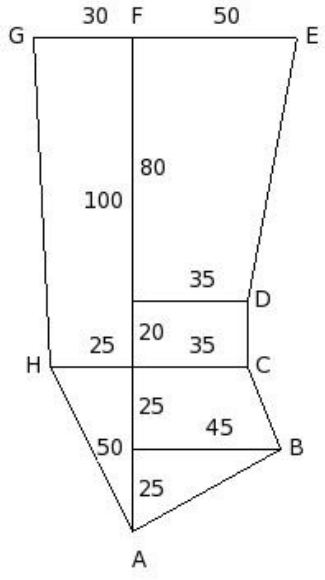
(i) 16.61 cm (ii) 21.61 cm (iii) 11.61 cm (iv) 13.61 cm (v) 19.61 cm

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



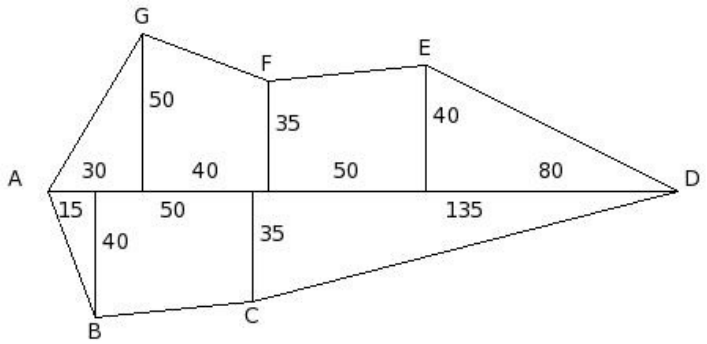
(i) 11125.00 sq.m (ii) 11525.00 sq.m (iii) 9525.00 sq.m (iv) 13825.00 sq.m (v) 9925.00 sq.m

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



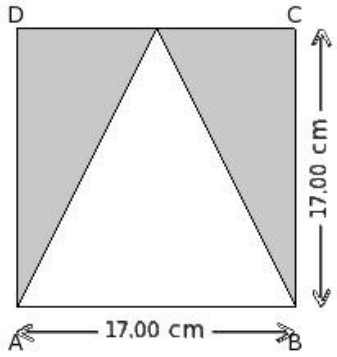
(i) 8997.50 sq.m (ii) 8767.50 sq.m (iii) 9157.50 sq.m (iv) 9037.50 sq.m (v) 9277.50 sq.m

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



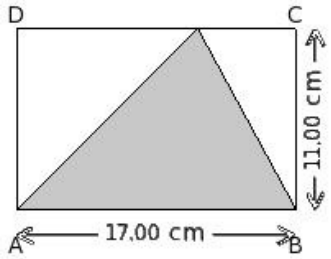
(i) 10462.50 sq.m (ii) 11762.50 sq.m (iii) 12262.50 sq.m (iv) 8862.50 sq.m (v) 9262.50 sq.m

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



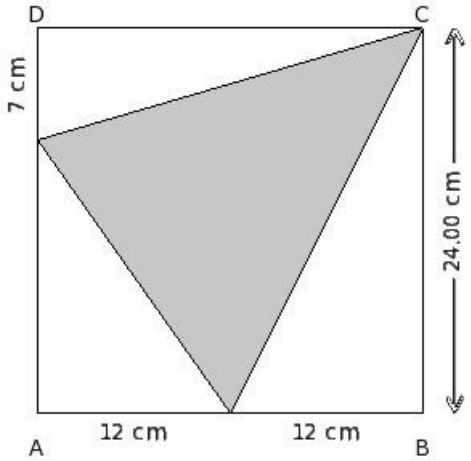
(i) 144.50 sq.cm (ii) 116.50 sq.cm (iii) 127.50 sq.cm (iv) 169.50 sq.cm (v) 151.50 sq.cm

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



(i) 98.50 sq.cm (ii) 90.50 sq.cm (iii) 93.50 sq.cm (iv) 88.50 sq.cm (v) 96.50 sq.cm

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



(i) 234.00 sq.cm (ii) 240.00 sq.cm (iii) 263.00 sq.cm (iv) 262.00 sq.cm (v) 246.00 sq.cm

Assignment Key

1) (v)	2) (i)	3) (v)	4) (iv)	5) (v)	6) (ii)
7) (ii)	8) (i)	9) (iv)	10) (ii)	11) (iii)	12) (i)
13) (i)	14) (iv)	15) (i)	16) (i)	17) (iii)	18) (v)