EduSahara™ Learning Center Assignment

Grade : Class VIII, ICSE
Chapter : Perimeter and Area of Plane Figures
Name : Perimeter and Area of Quadrilaterals
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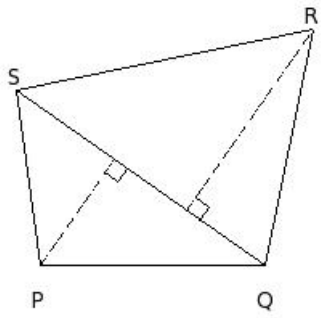
1. In quadrilateral PQRS, if diagonal QS = 19.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 8.02 cm and 13.78 cm respectively, then height of the vertex R to the diagonal QS is



(i) 13.78 cm (ii) 10.78 cm (iii) 16.78 cm (iv) 8.78 cm (v) 18.78 cm

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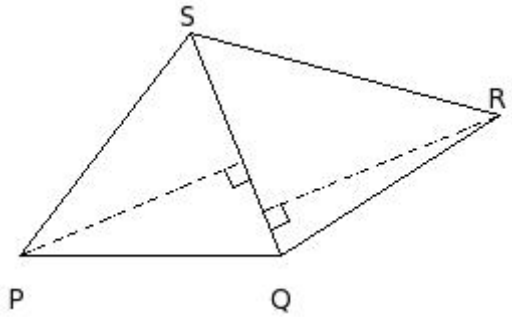
2. In quadrilateral PQRS, if diagonal QS = 12.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 12.05 cm and 12.78 cm respectively, then area of the quadrilateral =



(i) 140.98 sq.cm (ii) 164.98 sq.cm (iii) 148.98 sq.cm (iv) 152.98 sq.cm (v) 121.98 sq.cm

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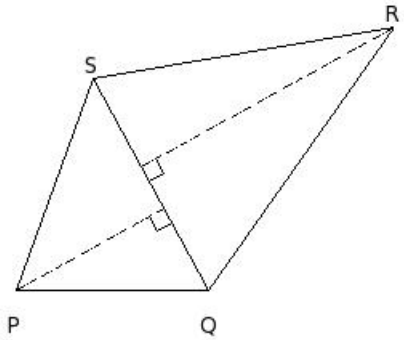
3. In quadrilateral PQRS, if diagonal QS = 15.00 cm, height of vertex P to the diagonal QS is 10.52 cm and area is 213.60 sq.cm, then height of the vertex R to the diagonal QS is



(i) 17.96 cm (ii) 14.96 cm (iii) 22.96 cm (iv) 12.96 cm (v) 20.96 cm

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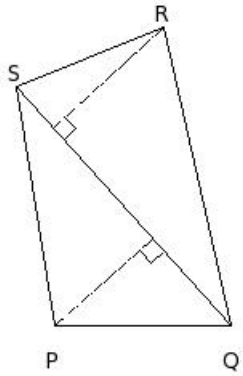
4. In quadrilateral PQRS, if area is 175.20 sq.cm, height of vertex P to the diagonal QS is 8.14 cm, and height of vertex S to the diagonal QS is 9.38 cm, then diagonal QS =



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

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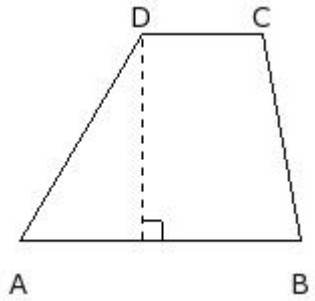
5. In trapezium ABCD, if distance between the parallel sides is 10.33 cm and lengths of the parallel sides AB = 14.00 cm and CD = 6.00 cm, then area of the trapezium =



(i) 128.30 sq.cm (ii) 97.30 sq.cm (iii) 103.30 sq.cm (iv) 80.30 sq.cm (v) 120.30 sq.cm

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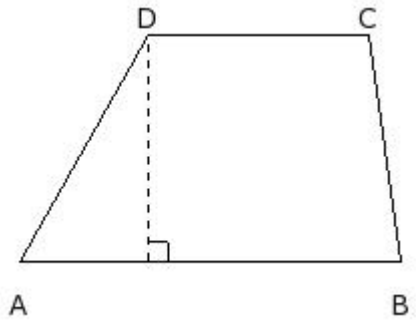
6. In trapezium ABCD, if area is 170.25 sq.cm and lengths of the parallel sides are AB = 19.00 cm and CD = 11.00 cm, then distance between the parallel sides AB and CD =



(i) 14.35 cm (ii) 8.35 cm (iii) 16.35 cm (iv) 6.35 cm (v) 11.35 cm

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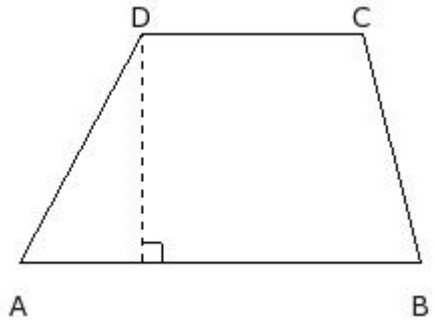
7. In trapezium ABCD, if one of the parallel sides AB = 20.00 cm and distance between parallel sides AB and CD is 11.47 cm and area is 177.78 sq.cm, then parallel side CD =



(i) 16.00 cm (ii) 6.00 cm (iii) 8.00 cm (iv) 11.00 cm (v) 14.00 cm

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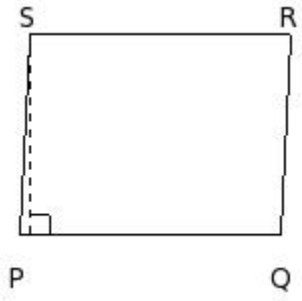
8. In parallelogram PQRS, if base PQ = 13.00 cm and the corresponding height is 9.99 cm, then area of the parallelogram =



(i) 105.87 sq.cm (ii) 114.87 sq.cm (iii) 146.87 sq.cm (iv) 129.87 sq.cm (v) 141.87 sq.cm

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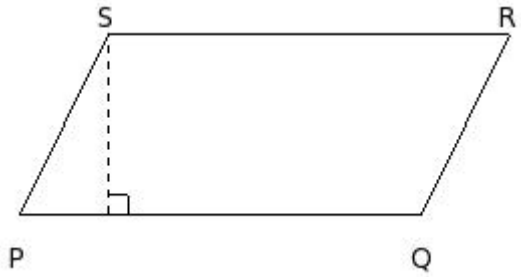
9. In parallelogram PQRS, if base PQ = 20.00 cm and area is 179.60 sq.cm, the corresponding height to the base PQ is



(i) 10.98 cm (ii) 7.98 cm (iii) 8.98 cm (iv) 9.98 cm (v) 6.98 cm

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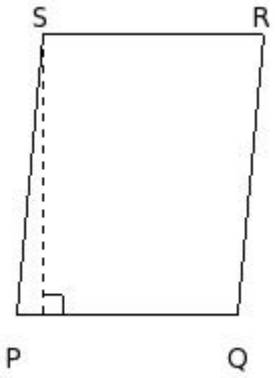
10. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 13.94 cm and area is 153.34 sq.cm, the base of the parallelogram PQ =



(i) 14.00 cm (ii) 16.00 cm (iii) 8.00 cm (iv) 6.00 cm (v) 11.00 cm

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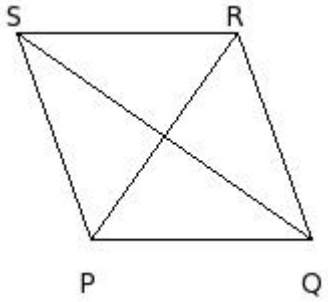
11. In rhombus PQRS, if diagonals QS = 18.00 cm and PR = 12.65 cm, the area of the rhombus =



(i) 131.85 sq.cm (ii) 138.85 sq.cm (iii) 113.85 sq.cm (iv) 99.85 sq.cm (v) 95.85 sq.cm

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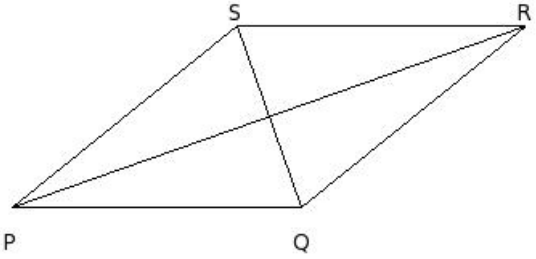
12. In rhombus PQRS, if one of the diagonals QS = 12.00 cm and area is 203.64 sq.cm, the diagonal PR =



(i) 28.94 cm (ii) 36.94 cm (iii) 33.94 cm (iv) 38.94 cm (v) 30.94 cm

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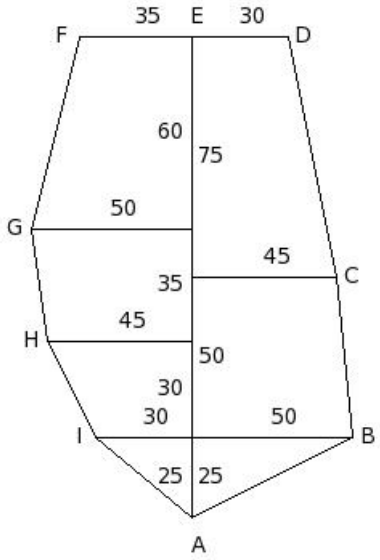
13. Find the area of the field shown in the figure. All dimensions are in mt



(i) 10325.00 sq.mts (ii) 10825.00 sq.mts (iii) 11525.00 sq.mts

(iv) 13925.00 sq.mts (v) 12325.00 sq.mts

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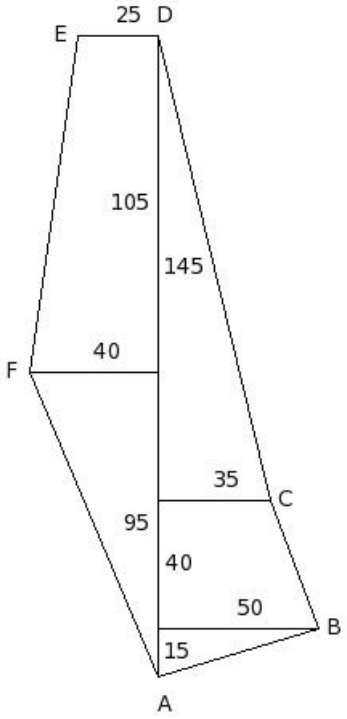
14. Find the area of the field shown in the figure. All dimensions are in mt



(i) 10085.00 sq.mts (ii) 9775.00 sq.mts (iii) 10195.00 sq.mts

(iv) 9925.00 sq.mts (v) 9795.00 sq.mts

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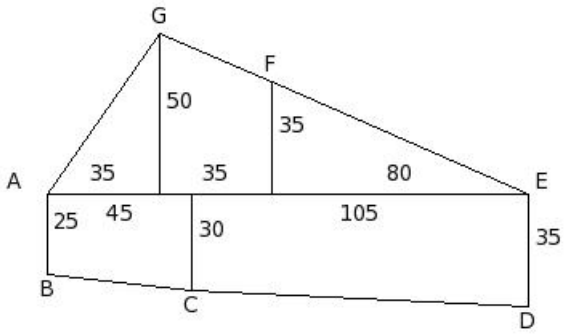
15. Find the area of the field shown in the figure. All dimensions are in mt



(i) 8262.50 sq.mts (ii) 8672.50 sq.mts (iii) 8192.50 sq.mts

(iv) 8442.50 sq.mts (v) 8412.50 sq.mts

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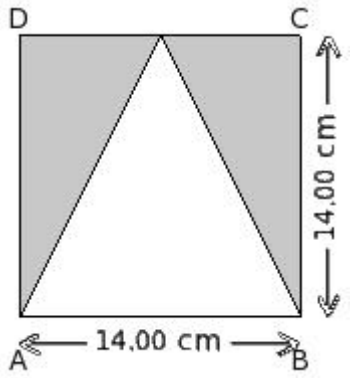
16. In the given figure, the triangle inside the square is an isosceles triangle. Find the area of the shaded region



(i) 98.00 sq.cm (ii) 101.00 sq.cm (iii) 95.00 sq.cm

(iv) 93.00 sq.cm (v) 103.00 sq.cm

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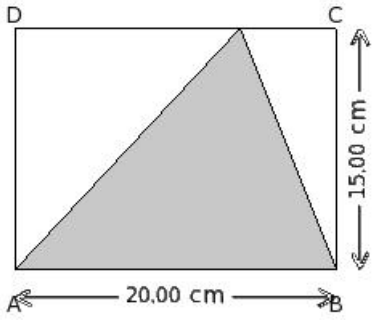
17. In the given figure, find the area of the shaded region



(i) 162.00 sq.cm (ii) 133.00 sq.cm (iii) 166.00 sq.cm

(iv) 125.00 sq.cm (v) 150.00 sq.cm

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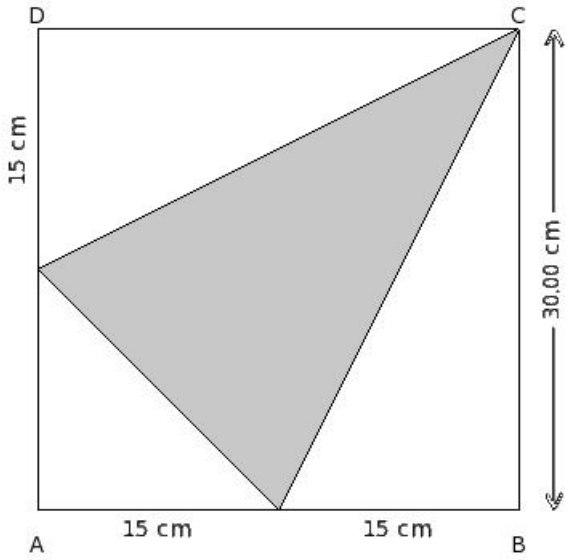
18. In the given figure, find the area of the shaded region



(i) 337.50 sq.cm (ii) 352.50 sq.cm (iii) 349.50 sq.cm

(iv) 320.50 sq.cm (v) 323.50 sq.cm

Assignment Key

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