EduSahara™ Assignment

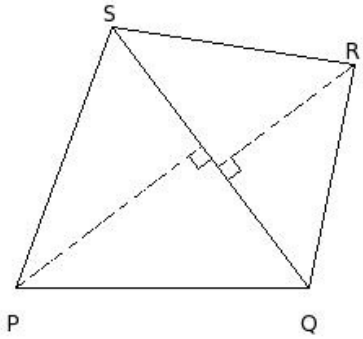
Name : Quadrilaterals

Chapter : Area and Perimeter

Grade : SSC Grade VII

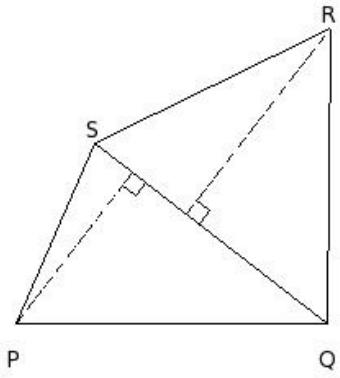


1. In quadrilateral PQRS, if diagonal QS = 20.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 14.34 cm and 10.49 cm respectively, then height of the vertex R to the diagonal QS is



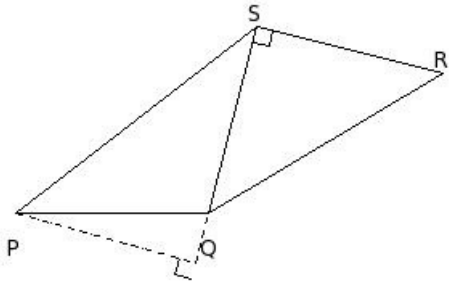

(i) 15.49 cm (ii) 5.49 cm (iii) 13.49 cm (iv) 10.49 cm (v) 7.49 cm

2. In quadrilateral PQRS, if diagonal QS = 18.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 11.63 cm and 14.33 cm respectively, then area of the quadrilateral =



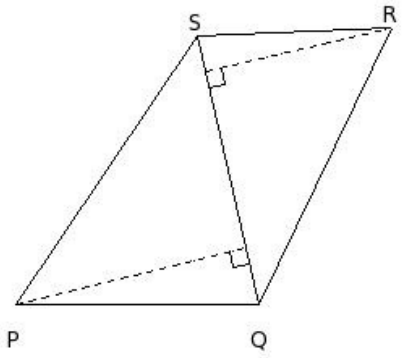

(i) 248.64 sq.cm (ii) 225.64 sq.cm (iii) 233.64 sq.cm (iv) 246.64 sq.cm (v) 207.64 sq.cm

3. In quadrilateral PQRS, if diagonal QS = 12.00 cm, height of vertex P to the diagonal QS is 11.61 cm and area is 141.66 sq.cm, then height of the vertex R to the diagonal QS is



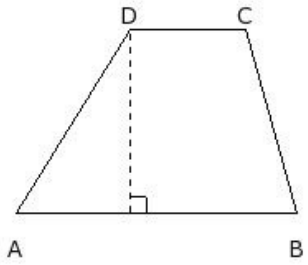

(i) 9.00 cm (ii) 7.00 cm (iii) 12.00 cm (iv) 17.00 cm (v) 15.00 cm

4. In quadrilateral PQRS, if area is 224.66 sq.cm, height of vertex P to the diagonal QS is 14.62 cm, and height of vertex R to the diagonal QS is 11.81 cm, then diagonal QS =



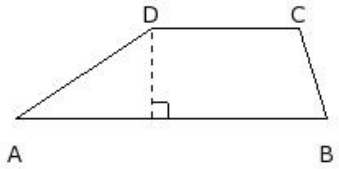

(i) 17.00 cm (ii) 12.00 cm (iii) 20.00 cm (iv) 14.00 cm (v) 22.00 cm

5. In trapezium ABCD, if distance between the parallel sides is 11.05 cm and lengths of the parallel sides AB = 17.00 cm and CD = 7.00 cm, then area of the trapezium =



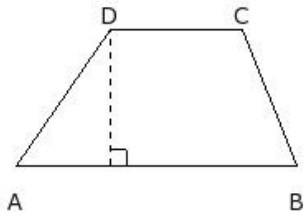

(i) 129.60 sq.cm (ii) 148.60 sq.cm (iii) 132.60 sq.cm (iv) 145.60 sq.cm (v) 118.60 sq.cm

6. In trapezium ABCD, if area is 77.14 sq.cm and lengths of the parallel sides are AB = 19.00 cm and CD = 9.00 cm, then distance between the parallel sides AB and CD =



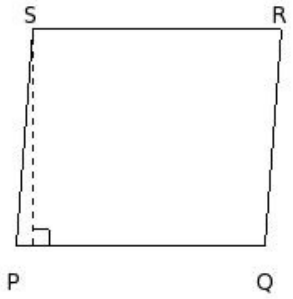

(i) 5.51 cm (ii) 4.51 cm (iii) 6.51 cm (iv) 3.51 cm (v) 7.51 cm

7. In trapezium ABCD, if one of the parallel sides AB = 17.00 cm and distance between parallel sides AB and CD is 8.23 cm and area is 102.88 sq.cm, then parallel side CD =



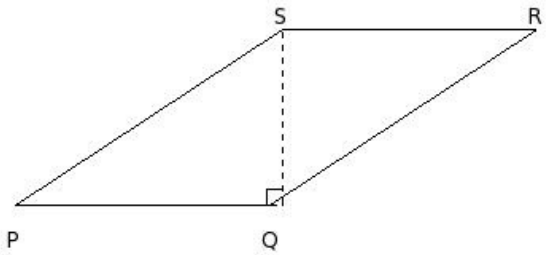

(i) 8.00 cm (ii) 9.00 cm (iii) 10.00 cm (iv) 7.00 cm (v) 6.00 cm

8. In parallelogram PQRS, if base PQ = 15.00 cm and the corresponding height is 12.95 cm, then area of the parallelogram =



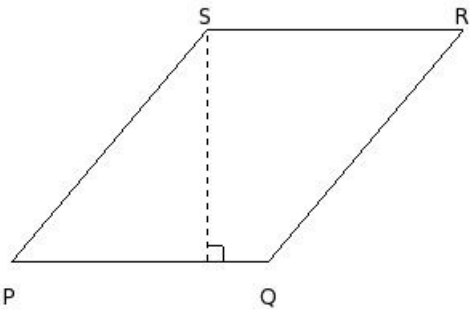

(i) 208.25 sq.cm (ii) 194.25 sq.cm (iii) 222.25 sq.cm (iv) 179.25 sq.cm (v) 181.25 sq.cm

9. In parallelogram PQRS, if base PQ = 16.00 cm and area is 175.68 sq.cm, the corresponding height to the base PQ is



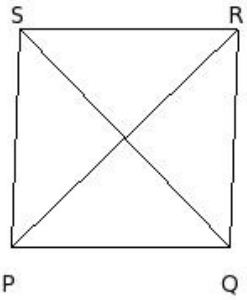

(i) 5.98 cm (ii) 7.98 cm (iii) 13.98 cm (iv) 15.98 cm (v) 10.98 cm

10. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 14.52 cm and area is 232.32 sq.cm, the base of the parallelogram PQ =



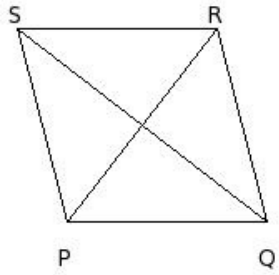

(i) 21.00 cm (ii) 19.00 cm (iii) 11.00 cm (iv) 16.00 cm (v) 13.00 cm

11. In rhombus PQRS, if diagonals QS = 18.00 cm and PR = 18.76 cm, the area of the rhombus =



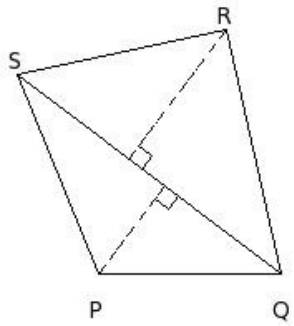

(i) 160.84 sq.cm (ii) 183.84 sq.cm (iii) 155.84 sq.cm (iv) 194.84 sq.cm (v) 168.84 sq.cm

12. In rhombus PQRS, if one of the diagonals QS = 19.00 cm and area is 139.27 sq.cm, the diagonal PR =



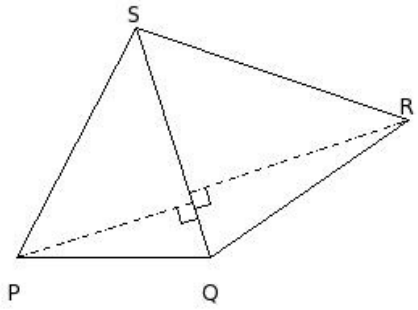

(i) 19.66 cm (ii) 11.66 cm (iii) 17.66 cm (iv) 9.66 cm (v) 14.66 cm

13. In quadrilateral PQRS, if diagonal QS = 20.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 6.60 cm and 9.75 cm respectively, then height of the vertex R to the diagonal QS is



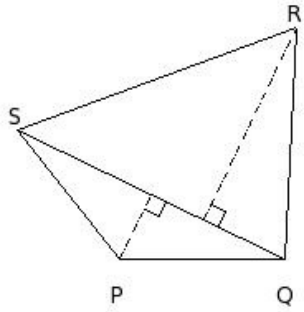

(i) 9.75 cm (ii) 10.75 cm (iii) 11.75 cm (iv) 8.75 cm (v) 7.75 cm

14. In quadrilateral PQRS, if diagonal QS = 15.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 11.39 cm and 14.40 cm respectively, then area of the quadrilateral =



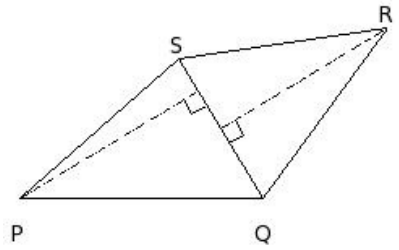

(i) 171.43 sq.cm (ii) 193.43 sq.cm (iii) 210.43 sq.cm (iv) 198.43 sq.cm (v) 176.43 sq.cm

15. In quadrilateral PQRS, if diagonal QS = 18.00 cm, height of vertex P to the diagonal QS is 4.36 cm and area is 155.34 sq.cm, then height of the vertex R to the diagonal QS is



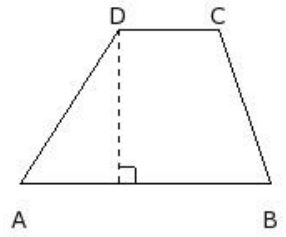

(i) 15.90 cm (ii) 9.90 cm (iii) 12.90 cm (iv) 17.90 cm (v) 7.90 cm

16. In quadrilateral PQRS, if area is 124.05 sq.cm, height of vertex P to the diagonal QS is 12.81 cm, and height of vertex R to the diagonal QS is 12.00 cm, then diagonal QS =



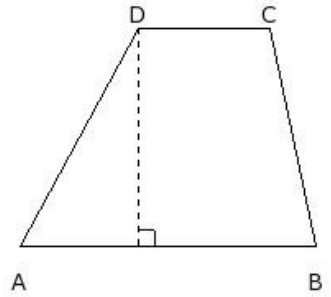

(i) 5.00 cm (ii) 10.00 cm (iii) 15.00 cm (iv) 13.00 cm (v) 7.00 cm

17. In trapezium ABCD, if distance between the parallel sides is 9.28 cm and lengths of the parallel sides AB = 15.00 cm and CD = 6.00 cm, then area of the trapezium =



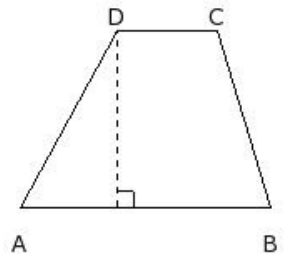

(i) 92.44 sq.cm (ii) 94.44 sq.cm (iii) 102.44 sq.cm (iv) 97.44 sq.cm (v) 100.44 sq.cm

18. In trapezium ABCD, if area is 170.95 sq.cm and lengths of the parallel sides are AB = 18.00 cm and CD = 8.00 cm, then distance between the parallel sides AB and CD =



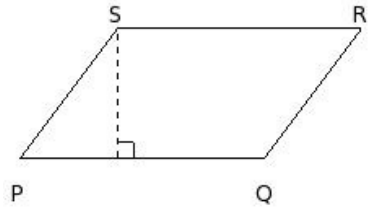

(i) 10.15 cm (ii) 8.15 cm (iii) 13.15 cm (iv) 18.15 cm (v) 16.15 cm

19. In trapezium ABCD, if one of the parallel sides AB = 15.00 cm and distance between parallel sides AB and CD is 10.52 cm and area is 110.46 sq.cm, then parallel side CD =



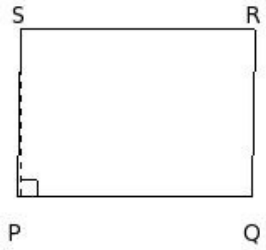

(i) 8.00 cm (ii) 5.00 cm (iii) 4.00 cm (iv) 6.00 cm (v) 7.00 cm

20. In parallelogram PQRS, if base PQ = 15.00 cm and the corresponding height is 7.97 cm, then area of the parallelogram =



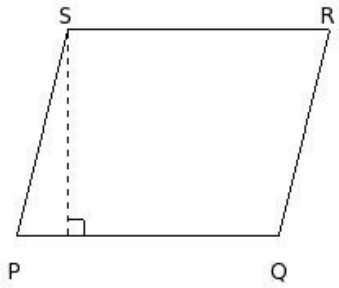

(i) 119.55 sq.cm (ii) 113.55 sq.cm (iii) 127.55 sq.cm (iv) 107.55 sq.cm (v) 145.55 sq.cm

21. In parallelogram PQRS, if base PQ = 14.00 cm and area is 140.00 sq.cm, the corresponding height to the base PQ is



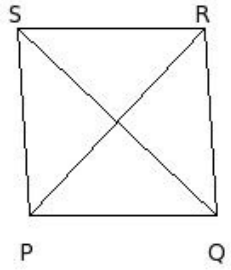

(i) 5.00 cm (ii) 13.00 cm (iii) 10.00 cm (iv) 15.00 cm (v) 7.00 cm

22. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 12.61 cm and area is 201.76 sq.cm, the base of the parallelogram PQ =



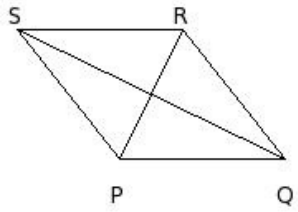

(i) 11.00 cm (ii) 21.00 cm (iii) 13.00 cm (iv) 19.00 cm (v) 16.00 cm

23. In rhombus PQRS, if diagonals QS = 16.00 cm and PR = 15.10 cm, the area of the rhombus =




(i) 93.80 sq.cm (ii) 112.80 sq.cm (iii) 120.80 sq.cm (iv) 125.80 sq.cm (v) 134.80 sq.cm

24. In rhombus PQRS, if one of the diagonals QS = 18.00 cm and area is 78.48 sq.cm, the diagonal PR =




(i) 9.72 cm (ii) 10.72 cm (iii) 8.72 cm (iv) 7.72 cm (v) 6.72 cm

## Assignment Key

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