EduSahara™ Assignment

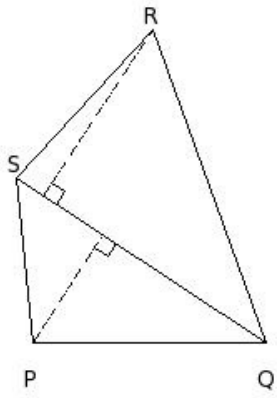
Name : Quadrilaterals

Chapter : Area and Perimeter

Grade : SSC Grade VII

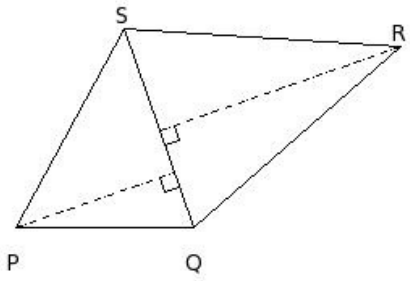


1. In quadrilateral PQRS, if diagonal QS = 18.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 7.74 cm and 11.85 cm respectively, then height of the vertex R to the diagonal QS is



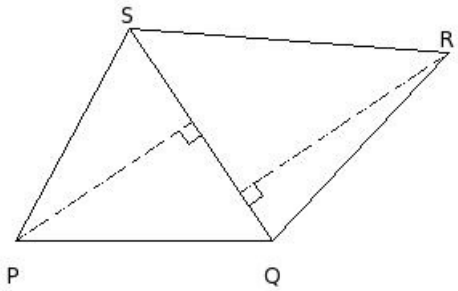

(i) 6.85 cm (ii) 14.85 cm (iii) 11.85 cm (iv) 8.85 cm (v) 16.85 cm

2. In quadrilateral PQRS, if diagonal QS = 13.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 10.39 cm and 15.71 cm respectively, then area of the quadrilateral =



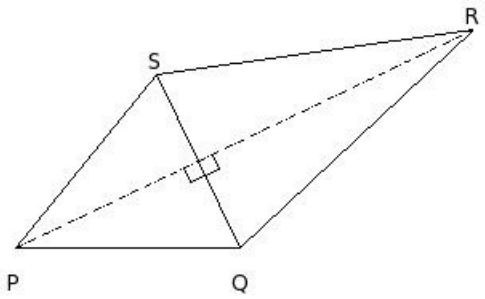

(i) 169.65 sq.cm (ii) 152.65 sq.cm (iii) 144.65 sq.cm (iv) 171.65 sq.cm (v) 186.65 sq.cm

3. In quadrilateral PQRS, if diagonal QS = 16.00 cm, height of vertex P to the diagonal QS is 13.25 cm and area is 230.88 sq.cm, then height of the vertex R to the diagonal QS is



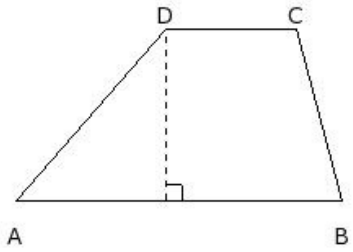

(i) 12.61 cm (ii) 15.61 cm (iii) 18.61 cm (iv) 20.61 cm (v) 10.61 cm

4. In quadrilateral PQRS, if area is 190.38 sq.cm, height of vertex P to the diagonal QS is 12.65 cm, and height of vertex R to the diagonal QS is 19.08 cm, then diagonal QS =



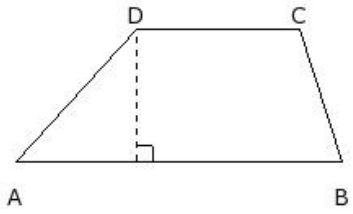

(i) 12.00 cm (ii) 9.00 cm (iii) 17.00 cm (iv) 15.00 cm (v) 7.00 cm

5. In trapezium ABCD, if distance between the parallel sides is 10.49 cm and lengths of the parallel sides AB = 20.00 cm and CD = 8.00 cm, then area of the trapezium =



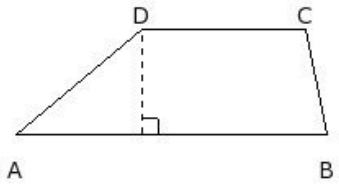

(i) 130.86 sq.cm (ii) 146.86 sq.cm (iii) 169.86 sq.cm (iv) 161.86 sq.cm (v) 129.86 sq.cm

6. In trapezium ABCD, if area is 122.10 sq.cm and lengths of the parallel sides are AB = 20.00 cm and CD = 10.00 cm, then distance between the parallel sides AB and CD =



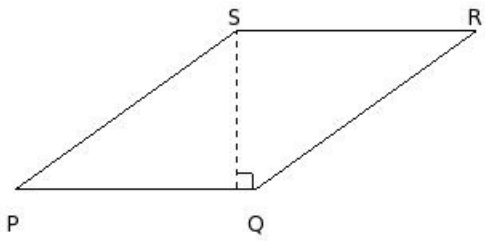

(i) 6.14 cm (ii) 8.14 cm (iii) 9.14 cm (iv) 10.14 cm (v) 7.14 cm

7. In trapezium ABCD, if one of the parallel sides AB = 19.00 cm and distance between parallel sides AB and CD is 6.40 cm and area is 92.80 sq.cm, then parallel side CD =



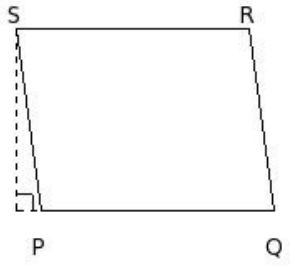

(i) 7.00 cm (ii) 15.00 cm (iii) 5.00 cm (iv) 10.00 cm (v) 13.00 cm

8. In parallelogram PQRS, if base PQ = 15.00 cm and the corresponding height is 9.93 cm, then area of the parallelogram =



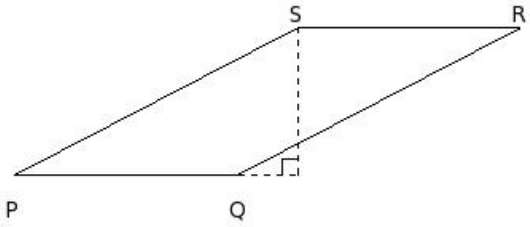

(i) 162.95 sq.cm (ii) 163.95 sq.cm (iii) 132.95 sq.cm (iv) 136.95 sq.cm (v) 148.95 sq.cm

9. In parallelogram PQRS, if base PQ = 14.00 cm and area is 152.46 sq.cm, the corresponding height to the base PQ is



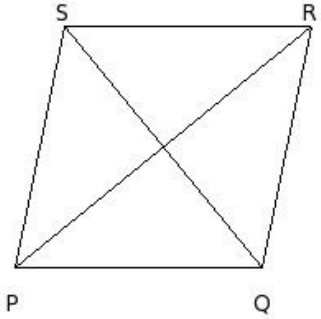

(i) 7.89 cm (ii) 15.89 cm (iii) 5.89 cm (iv) 10.89 cm (v) 13.89 cm

10. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 9.28 cm and area is 129.92 sq.cm, the base of the parallelogram PQ =



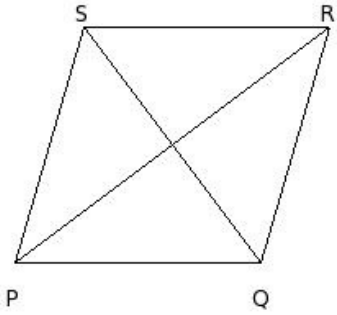

(i) 14.00 cm (ii) 9.00 cm (iii) 17.00 cm (iv) 11.00 cm (v) 19.00 cm

11. In rhombus PQRS, if diagonals QS = 19.00 cm and PR = 23.22 cm, the area of the rhombus =



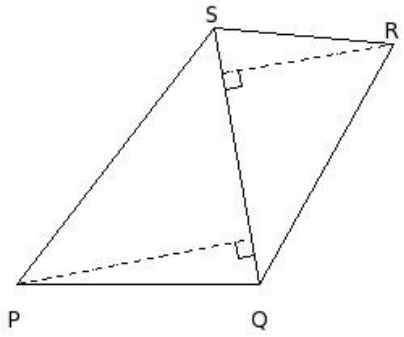

(i) 227.59 sq.cm (ii) 220.59 sq.cm (iii) 242.59 sq.cm (iv) 218.59 sq.cm (v) 205.59 sq.cm

12. In rhombus PQRS, if one of the diagonals QS = 18.00 cm and area is 216.00 sq.cm, the diagonal PR =



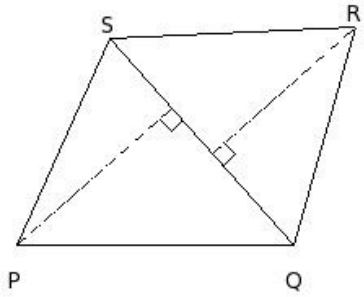

(i) 29.00 cm (ii) 24.00 cm (iii) 27.00 cm (iv) 21.00 cm (v) 19.00 cm

13. In quadrilateral PQRS, if diagonal QS = 16.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 14.78 cm and 10.65 cm respectively, then height of the vertex R to the diagonal QS is



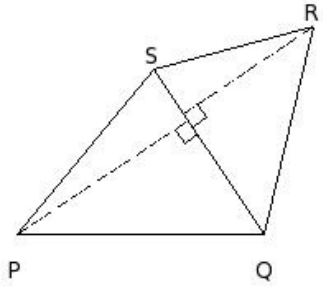

(i) 10.65 cm (ii) 13.65 cm (iii) 15.65 cm (iv) 5.65 cm (v) 7.65 cm

14. In quadrilateral PQRS, if diagonal QS = 17.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 12.76 cm and 11.73 cm respectively, then area of the quadrilateral =



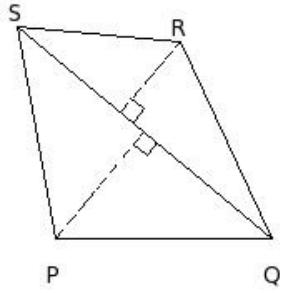

(i) 185.16 sq.cm (ii) 233.16 sq.cm (iii) 208.16 sq.cm (iv) 202.16 sq.cm (v) 220.16 sq.cm

15. In quadrilateral PQRS, if diagonal QS = 12.00 cm, height of vertex P to the diagonal QS is 12.47 cm and area is 131.82 sq.cm, then height of the vertex R to the diagonal QS is



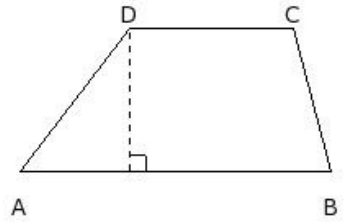

(i) 8.50 cm (ii) 11.50 cm (iii) 10.50 cm (iv) 7.50 cm (v) 9.50 cm

16. In quadrilateral PQRS, if area is 139.20 sq.cm, height of vertex P to the diagonal QS is 8.31 cm, and height of vertex R to the diagonal QS is 5.61 cm, then diagonal QS =



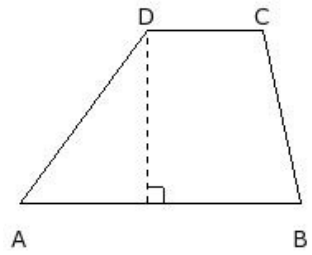

(i) 23.00 cm (ii) 20.00 cm (iii) 17.00 cm (iv) 25.00 cm (v) 15.00 cm

17. In trapezium ABCD, if distance between the parallel sides is 8.68 cm and lengths of the parallel sides AB = 19.00 cm and CD = 10.00 cm, then area of the trapezium =



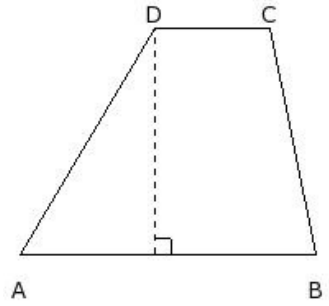

(i) 140.86 sq.cm (ii) 103.86 sq.cm (iii) 118.86 sq.cm (iv) 131.86 sq.cm (v) 125.86 sq.cm

18. In trapezium ABCD, if area is 125.64 sq.cm and lengths of the parallel sides are AB = 17.00 cm and CD = 7.00 cm, then distance between the parallel sides AB and CD =



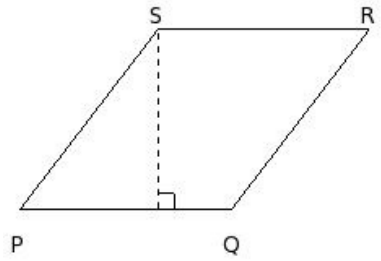

(i) 7.47 cm (ii) 10.47 cm (iii) 13.47 cm (iv) 5.47 cm (v) 15.47 cm

19. 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 =



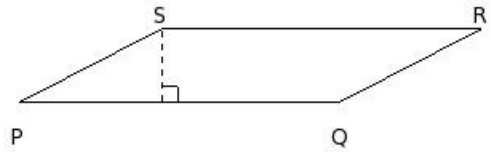

(i) 7.00 cm (ii) 6.00 cm (iii) 5.00 cm (iv) 8.00 cm (v) 9.00 cm

20. In parallelogram PQRS, if base PQ = 13.00 cm and the corresponding height is 11.12 cm, then area of the parallelogram =



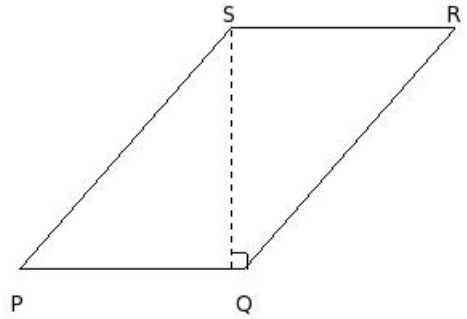

(i) 142.56 sq.cm (ii) 162.56 sq.cm (iii) 120.56 sq.cm (iv) 161.56 sq.cm (v) 144.56 sq.cm

21. In parallelogram PQRS, if base PQ = 20.00 cm and area is 91.20 sq.cm, the corresponding height to the base PQ is



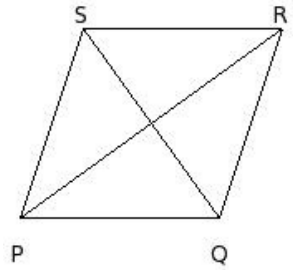

(i) 3.56 cm (ii) 5.56 cm (iii) 2.56 cm (iv) 6.56 cm (v) 4.56 cm

22. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 14.98 cm and area is 209.72 sq.cm, the base of the parallelogram PQ =



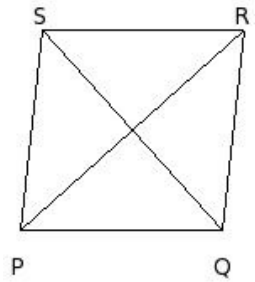

(i) 17.00 cm (ii) 19.00 cm (iii) 11.00 cm (iv) 14.00 cm (v) 9.00 cm

23. In rhombus PQRS, if diagonals QS = 14.00 cm and PR = 19.49 cm, the area of the rhombus =




(i) 132.43 sq.cm (ii) 154.43 sq.cm (iii) 114.43 sq.cm (iv) 161.43 sq.cm (v) 136.43 sq.cm

24. In rhombus PQRS, if one of the diagonals QS = 16.00 cm and area is 143.12 sq.cm, the diagonal PR =




(i) 22.89 cm (ii) 20.89 cm (iii) 17.89 cm (iv) 14.89 cm (v) 12.89 cm

## Assignment Key

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