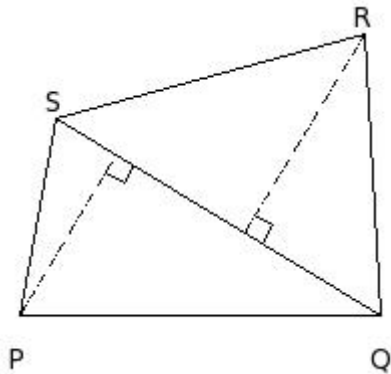# EduSahara™ Learning Center Assignment

Grade　　　: **Class VII, SSC**
Chapter　　: **Area and Perimeter**
Name　　　: **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 9.33 cm and 11.54 cm respectively, then height of the vertex R to the diagonal QS is


 (i) 16.54 cm (ii) 8.54 cm (iii) 6.54 cm (iv) 11.54 cm (v) 14.54 cm

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2. In quadrilateral PQRS, if diagonal QS = 16.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 13.86 cm and 11.12 cm respectively, then area of the quadrilateral =
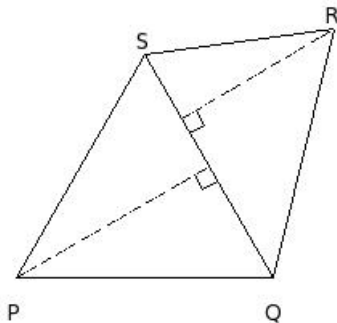

 (i) 195.84 sq.cm (ii) 213.84 sq.cm (iii) 211.84 sq.cm (iv) 199.84 sq.cm (v) 186.84 sq.cm

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3. In quadrilateral PQRS, if diagonal QS = 19.00 cm, height of vertex P to the diagonal QS is 10.18 cm and area is 258.31 sq.cm, then height of the vertex R to the diagonal QS is
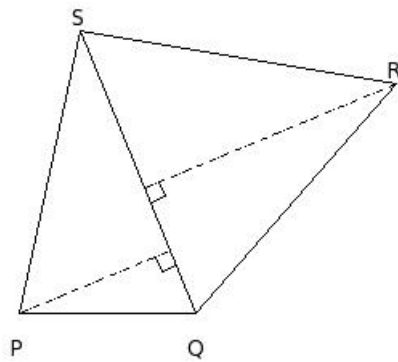
(i) 22.01 cm (ii) 14.01 cm (iii) 17.01 cm (iv) 20.01 cm (v) 12.01 cm

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4. In quadrilateral PQRS, if area is 154.20 sq.cm, height of vertex P to the diagonal QS is 9.78 cm, and height of vertex S to the diagonal QS is 15.92 cm, then diagonal QS =
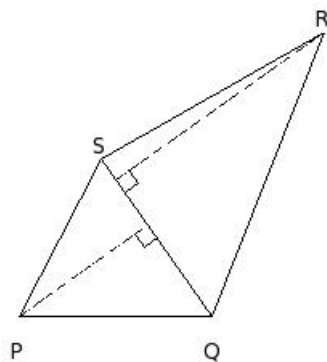

(i) 7.00 cm (ii) 17.00 cm (iii) 15.00 cm (iv) 9.00 cm (v) 12.00 cm

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5. In trapezium ABCD, if distance between the parallel sides is 10.52 cm and lengths of the parallel sides AB = 15.00 cm and CD = 8.00 cm, then area of the trapezium =
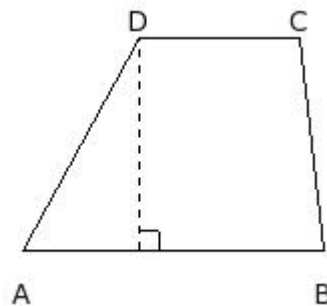

(i) 128.98 sq.cm (ii) 120.98 sq.cm (iii) 93.98 sq.cm (iv) 113.98 sq.cm (v) 136.98 sq.cm

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6. In trapezium ABCD, if area is 62.58 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 =
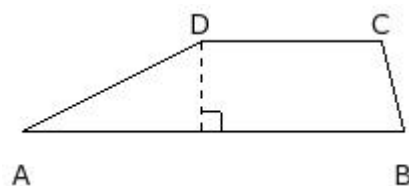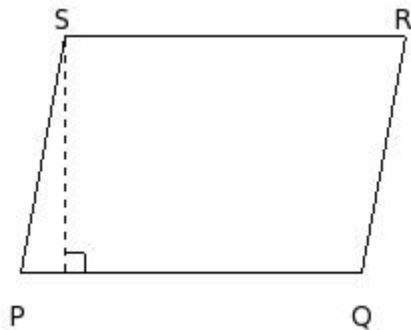
(i) 4.47 cm (ii) 3.47 cm (iii) 5.47 cm (iv) 2.47 cm (v) 6.47 cm

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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 5.61 cm and area is 78.54 sq.cm, then parallel side CD =
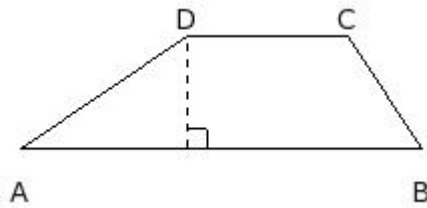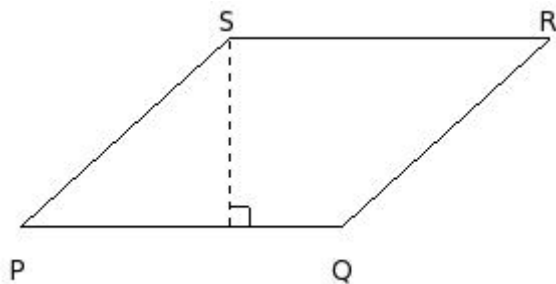

(i) 7.00 cm (ii) 9.00 cm (iii) 8.00 cm (iv) 10.00 cm (v) 6.00 cm

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8. In parallelogram PQRS, if base PQ = 17.00 cm and the corresponding height is 11.81 cm, then area of the parallelogram =
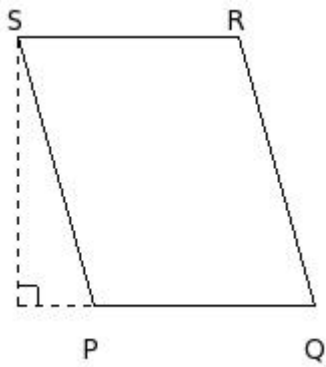

(i) 207.77 sq.cm (ii) 200.77 sq.cm (iii) 185.77 sq.cm (iv) 196.77 sq.cm (v) 213.77 sq.cm

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9. In parallelogram PQRS, if base PQ = 16.00 cm and area is 150.88 sq.cm, the corresponding height to the base PQ is
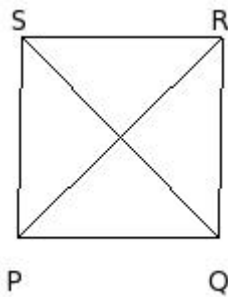

(i) 10.43 cm (ii) 9.43 cm (iii) 8.43 cm (iv) 11.43 cm (v) 7.43 cm

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10. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 13.48 cm and area is 148.28 sq.cm, the base of the parallelogram PQ =
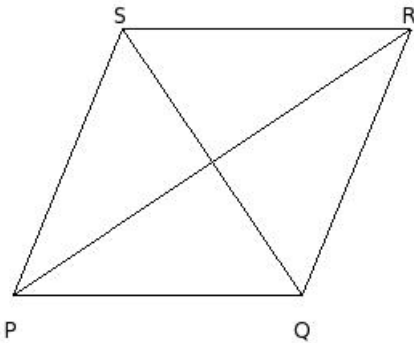
(i) 6.00 cm (ii) 11.00 cm (iii) 16.00 cm (iv) 14.00 cm (v) 8.00 cm

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11. In rhombus PQRS, if diagonals QS = 14.00 cm and PR = 14.28 cm, the area of the rhombus =


(i) 96.96 sq.cm (ii) 102.96 sq.cm (iii) 94.96 sq.cm (iv) 104.96 sq.cm (v) 99.96 sq.cm

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12. In rhombus PQRS, if one of the diagonals QS = 20.00 cm and area is 299.30 sq.cm, the diagonal PR =


(i) 32.93 cm (ii) 24.93 cm (iii) 29.93 cm (iv) 26.93 cm (v) 34.93 cm

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13. In quadrilateral PQRS, if diagonal QS = 19.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 6.40 cm and 11.01 cm respectively, then height of the vertex R to the diagonal QS is
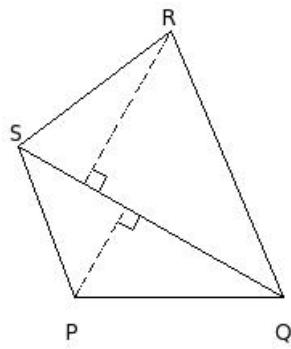
(i) 8.01 cm (ii) 11.01 cm (iii) 16.01 cm (iv) 14.01 cm (v) 6.01 cm

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14. In quadrilateral PQRS, if diagonal QS = 10.00 cm, perpendiculars from the vertices P and R to the diagonal QS are 10.69 cm and 15.65 cm respectively, then area of the quadrilateral =
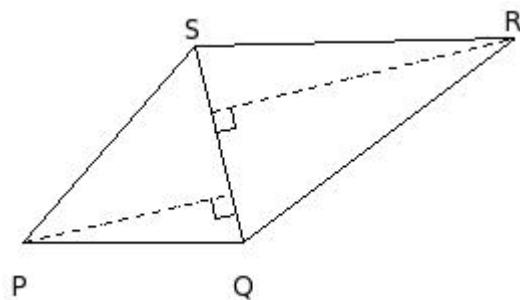

(i) 108.70 sq.cm　(ii) 131.70 sq.cm　(iii) 116.70 sq.cm　(iv) 145.70 sq.cm　(v) 143.70 sq.cm

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15. In quadrilateral PQRS, if diagonal QS = 16.00 cm, height of vertex P to the diagonal QS is 17.10 cm and area is 196.72 sq.cm, then height of the vertex R to the diagonal QS is
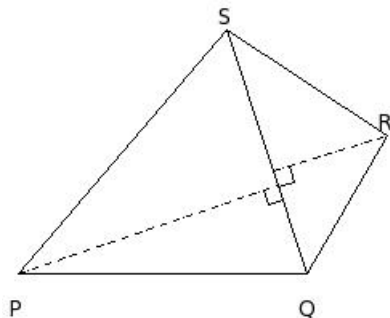

(i) 8.49 cm (ii) 7.49 cm (iii) 6.49 cm (iv) 5.49 cm (v) 9.49 cm

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16. In quadrilateral PQRS, if area is 194.11 sq.cm, height of vertex P to the diagonal QS is 12.40 cm, and height of vertex S to the diagonal QS is 15.33 cm, then diagonal QS =
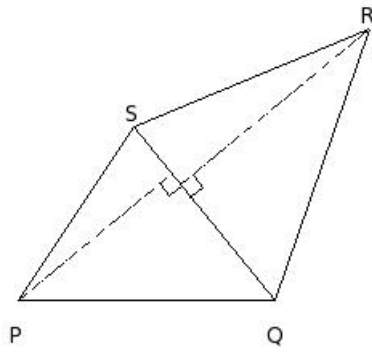
(i) 17.00 cm (ii) 19.00 cm (iii) 14.00 cm (iv) 11.00 cm (v) 9.00 cm

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17. In trapezium ABCD, if distance between the parallel sides is 9.27 cm and lengths of the parallel sides AB = 18.00 cm and CD = 11.00 cm, then area of the trapezium =
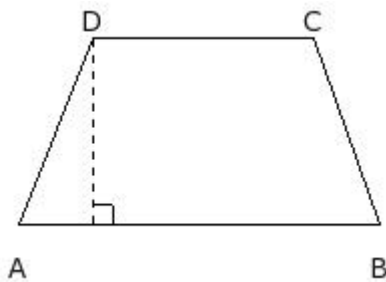

(i) 134.41 sq.cm (ii) 120.41 sq.cm (iii) 111.41 sq.cm (iv) 139.41 sq.cm (v) 148.41 sq.cm

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18. In trapezium ABCD, if area is 136.50 sq.cm and lengths of the parallel sides are AB = 20.00 cm and CD = 8.00 cm, then distance between the parallel sides AB and CD =
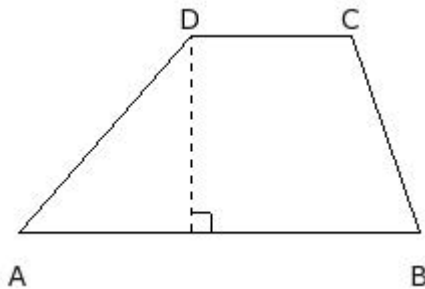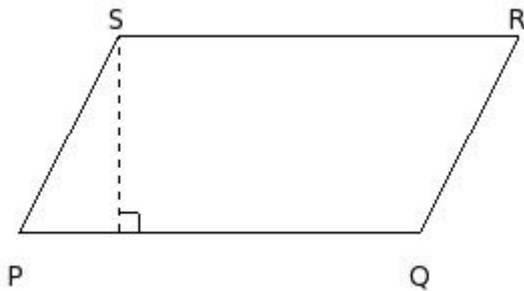

(i) 10.75 cm (ii) 11.75 cm (iii) 8.75 cm (iv) 9.75 cm (v) 7.75 cm

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19. In trapezium ABCD, if one of the parallel sides AB = 20.00 cm and distance between parallel sides AB and CD is 8.26 cm and area is 123.90 sq.cm, then parallel side CD =
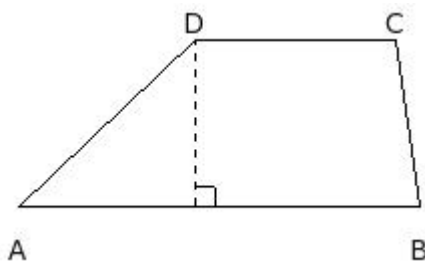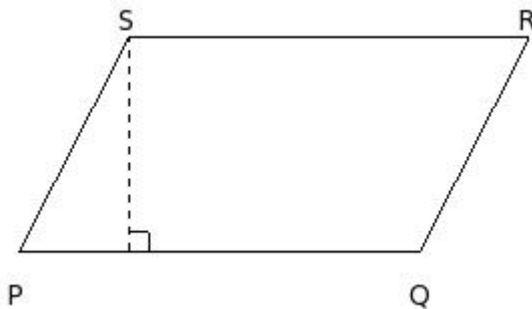
(i) 15.00 cm (ii) 10.00 cm (iii) 13.00 cm (iv) 5.00 cm (v) 7.00 cm

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20. In parallelogram PQRS, if base PQ = 20.00 cm and the corresponding height is 9.84 cm, then area of the parallelogram =
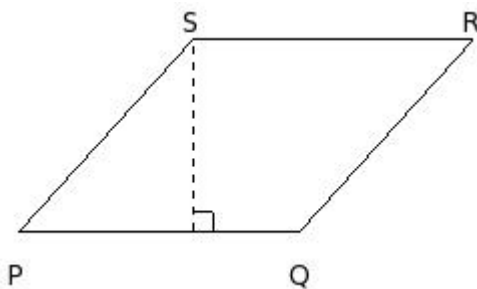

(i) 193.80 sq.cm (ii) 219.80 sq.cm (iii) 196.80 sq.cm (iv) 180.80 sq.cm (v) 214.80 sq.cm

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21. In parallelogram PQRS, if base PQ = 20.00 cm and area is 213.40 sq.cm, the corresponding height to the base PQ is
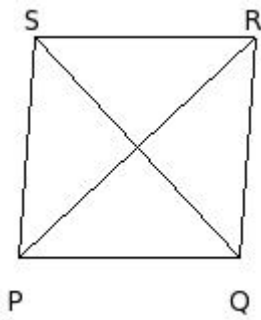

(i) 15.67 cm (ii) 13.67 cm (iii) 7.67 cm (iv) 5.67 cm (v) 10.67 cm

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22. In parallelogram PQRS, if distance between the parallel sides PQ and RS is 9.65 cm and area is 135.10 sq.cm, the base of the parallelogram PQ =
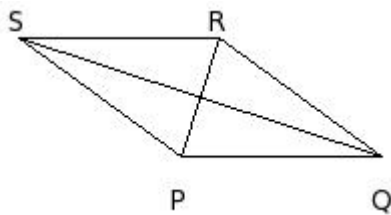

(i) 19.00 cm (ii) 14.00 cm (iii) 9.00 cm (iv) 17.00 cm (v) 11.00 cm

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23. In rhombus PQRS, if diagonals QS = 15.00 cm and PR = 16.09 cm, the area of the rhombus =

(i) 120.67 sq.cm   (ii) 135.67 sq.cm   (iii) 138.67 sq.cm   (iv) 103.67 sq.cm   (v) 114.67 sq.cm

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24. In rhombus PQRS, if one of the diagonals QS = 19.00 cm and area is 59.28 sq.cm, the diagonal PR =

(i) 7.24 cm (ii) 6.24 cm (iii) 5.24 cm (iv) 8.24 cm (v) 4.24 cm

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Assignment Key

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