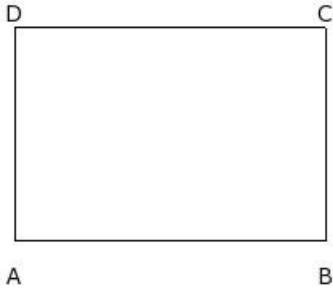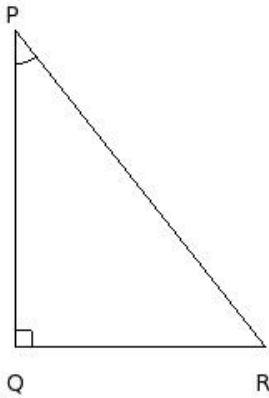1. If the length and breadth of a rectangle are 19.00 cm and 13.00 cm respectively, the area of the rectangle =


   (i) 221.00 sq.cm (ii) 249.00 sq.cm (iii) 247.00 sq.cm (iv) 260.00 sq.cm (v) 242.00 sq.cm

2. In a right angled triangle $\triangle$PQR, if the base QR = 15 cm and the corresponding height is 19 cm, then corresponding height of side PQ =
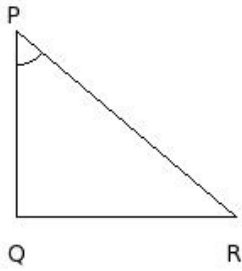

   (i) 12.00 cm (ii) 18.00 cm (iii) 10.00 cm (iv) 15.00 cm (v) 20.00 cm

3. If the outer length, inner breadth and area of the inner rectangle of a rectangular path are 13.20 cm, 8.00 cm and 80.00 sq.cm respectively, the area of the rectangular path =
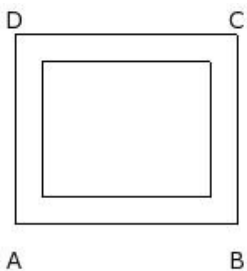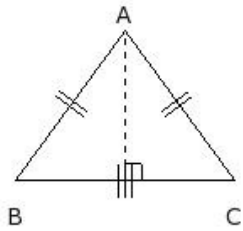

   (i) 72.84 sq.cm (ii) 70.84 sq.cm (iii) 62.84 sq.cm (iv) 67.84 sq.cm (v) 64.84 sq.cm

4. In a right angled triangle △PQR, if QR = 13 cm, PQ = 11 cm are the lengths of perpendicular sides , then area of the triangle =


(i) 68.50 sq.cm (ii) 74.50 sq.cm (iii) 71.50 sq.cm (iv) 76.50 sq.cm (v) 66.50 sq.cm

5. In an isosceles triangle △ABC, the corresponding height of the side BC is 8.87 cm and area is 57.68 sq.cm, then side BC =
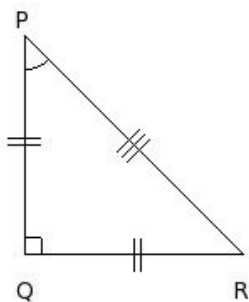

(i) 18.00 cm (ii) 10.00 cm (iii) 16.00 cm (iv) 13.00 cm (v) 8.00 cm

6. If the inner rectangle area, outer rectangle area and width of a rectangular path are 42.00 sq.cm, 156.00 sq.cm and 3.00 cm respectively, the outer length of the rectangular path =
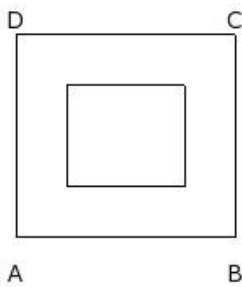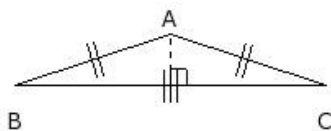

(i) 18.00 cm (ii) 10.00 cm (iii) 16.00 cm (iv) 8.00 cm (v) 13.00 cm

7. In an isosceles right angled triangle △PQR, if area = 84.5 sq.cm, then corresponding height of side QR =
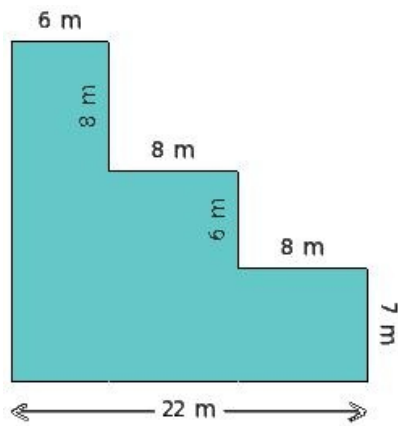

(i) 10.00 cm (ii) 16.00 cm (iii) 18.00 cm (iv) 8.00 cm (v) 13.00 cm

8. In an isosceles triangle △ABC, if base BC = 19 cm and the corresponding height is 3.12 cm, then area of the triangle =
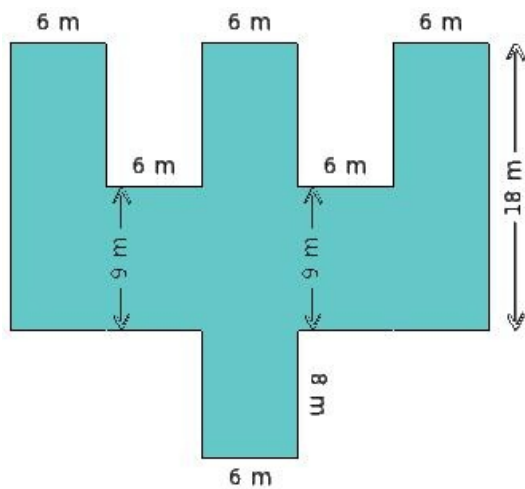

(i) 32.66 sq.cm (ii) 24.66 sq.cm (iii) 29.66 sq.cm (iv) 34.66 sq.cm (v) 26.66 sq.cm
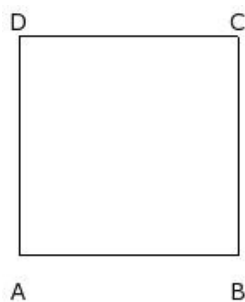
9. Find the area of the shaded region given below

6 m

8 m

8 m

6 m

8 m

7 m

22 m

(i) 269.00 sq.m   (ii) 286.00 sq.m   (iii) 314.00 sq.m   (iv) 263.00 sq.m   (v) 301.00 sq.m

10. Find the perimeter of the shaded region given below

6 m   6 m   6 m

6 m   6 m

18 m

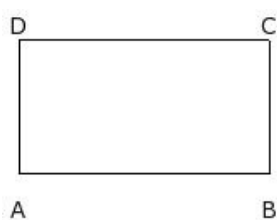9 m   9 m

8 m

6 m

(i) 150.00 m   (ii) 148.00 m   (iii) 131.00 m   (iv) 163.00 m   (v) 132.00 m

11. If the perimeter of a square is 52.00 cm, the area of the square =

D   C

A   B

(i) 197.00 sq.cm   (ii) 184.00 sq.cm   (iii) 151.00 sq.cm   (iv) 169.00 sq.cm   (v) 152.00 sq.cm

12. If the breadth and area of a rectangle are 8.00 cm and 120.00 sq.cm respectively, the perimeter of the rectangle =
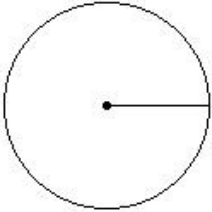
D   C

A   B

(i) 41.00 cm   (ii) 43.00 cm   (iii) 46.00 cm   (iv) 51.00 cm   (v) 49.00 cm

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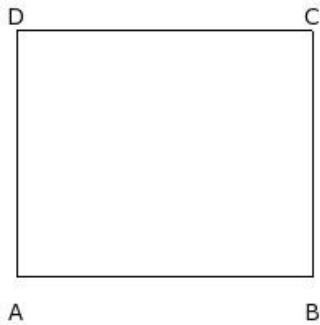
D   C

10.00 cm (vertical)

← 10.00 cm →
A   B
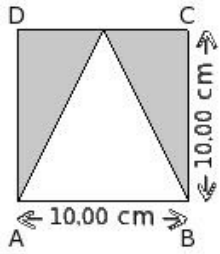
(i) 47.00 sq.cm (ii) 50.00 sq.cm (iii) 45.00 sq.cm (iv) 55.00 sq.cm (v) 53.00 sq.cm

14. If radius of the circle is 6.00 cm, the circumference of the circle is

(i) 34.71 cm (ii) 37.71 cm (iii) 42.71 cm (iv) 32.71 cm (v) 40.71 cm

15. If the length and perimeter of a rectangle are 18.00 cm and 66.00 cm respectively, the area of the rectangle =
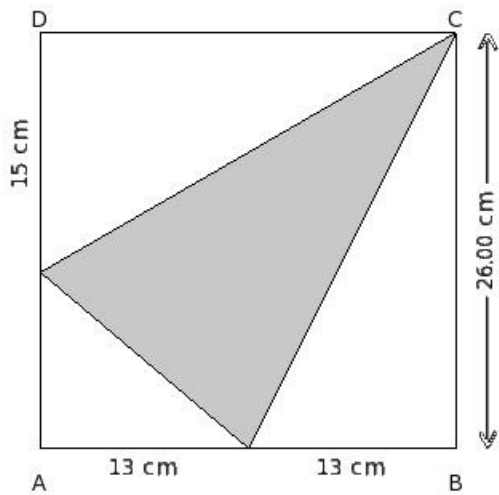
D   C

A   B

(i) 270.00 sq.cm (ii) 257.00 sq.cm (iii) 285.00 sq.cm (iv) 258.00 sq.cm (v) 282.00 sq.cm

16. If the inner length, outer breadth and width of a rectangular path are 6.00 cm, 8.00 cm and 1.50 cm respectively, the area of the inner rectangle of the rectangular path =
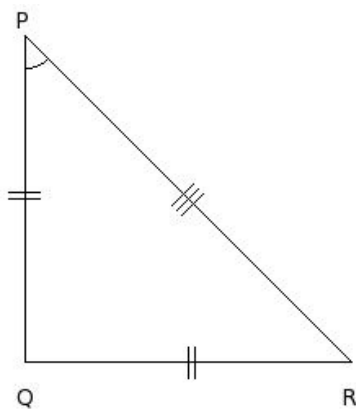
D   C

A   B
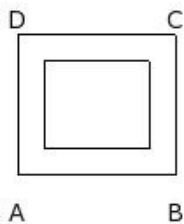
(i) 35.00 sq.cm (ii) 25.00 sq.cm (iii) 30.00 sq.cm (iv) 33.00 sq.cm (v) 27.00 sq.cm

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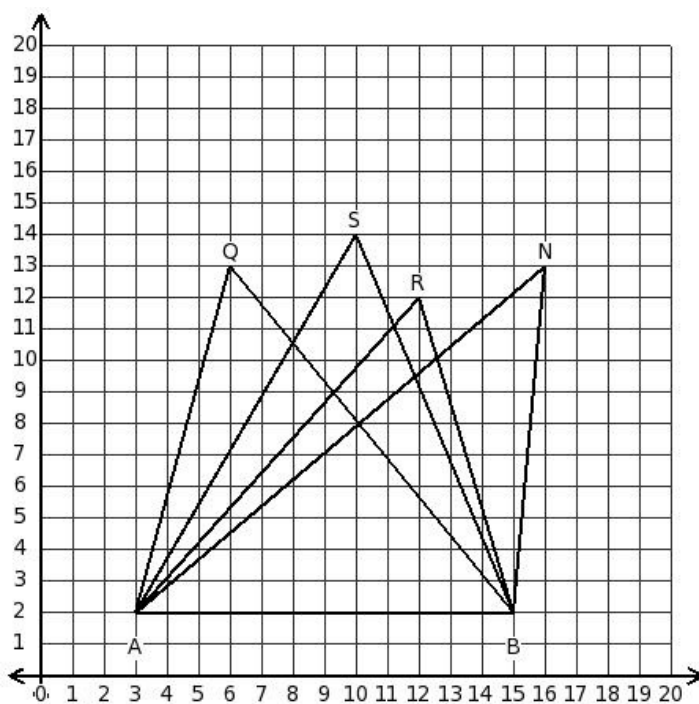

(i) 240.50 sq.cm (ii) 232.50 sq.cm (iii) 216.50 sq.cm (iv) 247.50 sq.cm (v) 265.50 sq.cm

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18. In an isosceles right angled triangle $\triangle PQR$, if QR = 20 cm is one of the equal sides, then area of the triangle =

(i) 213.00 sq.cm (ii) 216.00 sq.cm (iii) 182.00 sq.cm (iv) 178.00 sq.cm (v) 200.00 sq.cm

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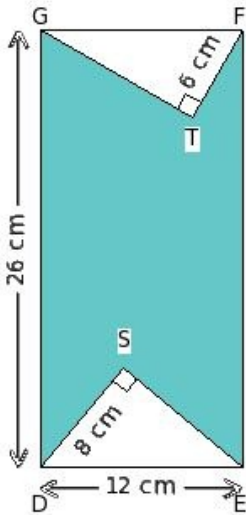19. Consider the following triangles. Which two triangles have the same area?

(i) $\triangle$QAB and $\triangle$SAB (ii) $\triangle$QAB and $\triangle$RAB (iii) $\triangle$NAB and $\triangle$SAB (iv) $\triangle$NAB and $\triangle$RAB (v) $\triangle$QAB and $\triangle$NAB
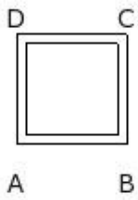
In the given figure, DEFG is a rectangle in which DE = 12 cm and GD = 26 cm.

20. Also, △SDE and △TFG are the right angled triangles in which ∠ESD = ∠GTF = 90°, SD = 8 cm and TF = 6 cm. Find the area of the shaded region

(i) 245.05 sq.cm (ii) 244.05 sq.cm (iii) 243.05 sq.cm (iv) 246.05 sq.cm (v) 247.05 sq.cm

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21. If the outer side of a square path is 6.00 cm and area of the square path is 11.00 sq.cm, the width of the square path =

(i) 7.50 cm (ii) 2.50 cm (iii) 1.50 cm (iv) 8.50 cm (v) 0.50 cm

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22. Find the area of the shaded region given below
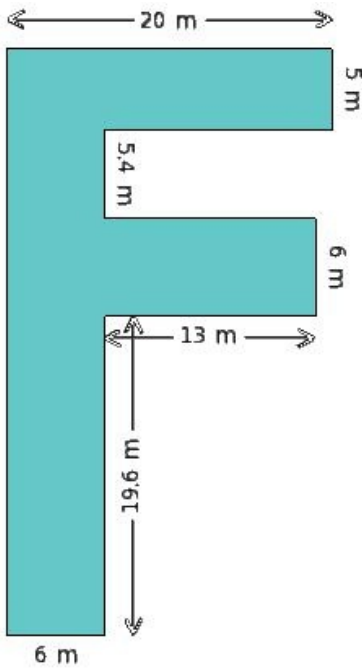
(i) 356.00 sq.m (ii) 389.00 sq.m (iii) 364.00 sq.m (iv) 350.00 sq.m (v) 381.00 sq.m
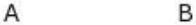
23. If the outer length, inner breadth and width of a rectangular path are 15.40 cm, 9.00 cm and 2.70 cm respectively, the area of the rectangular path =

D — C

A — B

(i) 145.76 sq.cm (ii) 119.76 sq.cm (iii) 131.76 sq.cm (iv) 114.76 sq.cm (v) 149.76 sq.cm

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24. Find the perimeter of the shaded region given below

18 m

6 m

6 m

8 m

6 m

6 m

6 m

8 m

6 m

6 m

(i) 174.00 m (ii) 133.00 m (iii) 148.00 m (iv) 155.00 m (v) 120.00 m

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25. If the areas of inner and outer squares of a square path are 81.00 sq.cm and 100.00 sq.cm respectively, the area of the square path =

D — C

A — B

(i) 22.00 sq.cm (ii) 16.00 sq.cm (iii) 19.00 sq.cm (iv) 14.00 sq.cm (v) 24.00 sq.cm

Assignment Key

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