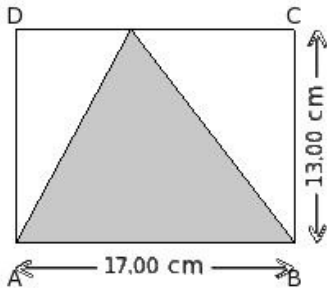


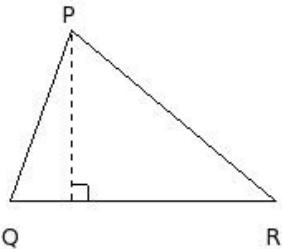


1. In the given figure, find the area of the shaded region



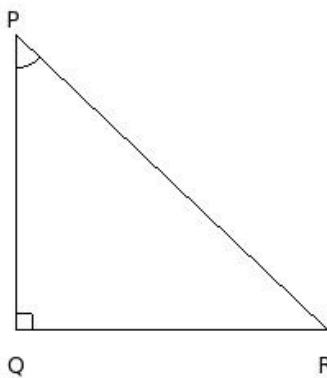
- (i) 106.50 sq.cm (ii) 85.50 sq.cm (iii) 127.50 sq.cm (iv) 122.50 sq.cm (v) 110.50 sq.cm

2. In $\triangle PQR$, if $QR = 16$ cm, $RP = 16$ cm and the corresponding height of side $QR = 10.33$ cm, then area of the triangle =



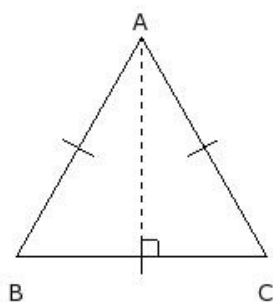
- (i) 87.64 sq.cm (ii) 79.64 sq.cm (iii) 82.64 sq.cm (iv) 77.64 sq.cm (v) 85.64 sq.cm

3. In a right angled triangle $\triangle PQR$, if the area is 171 sq.cm and base $QR = 19$ cm, then corresponding height of side $QR =$



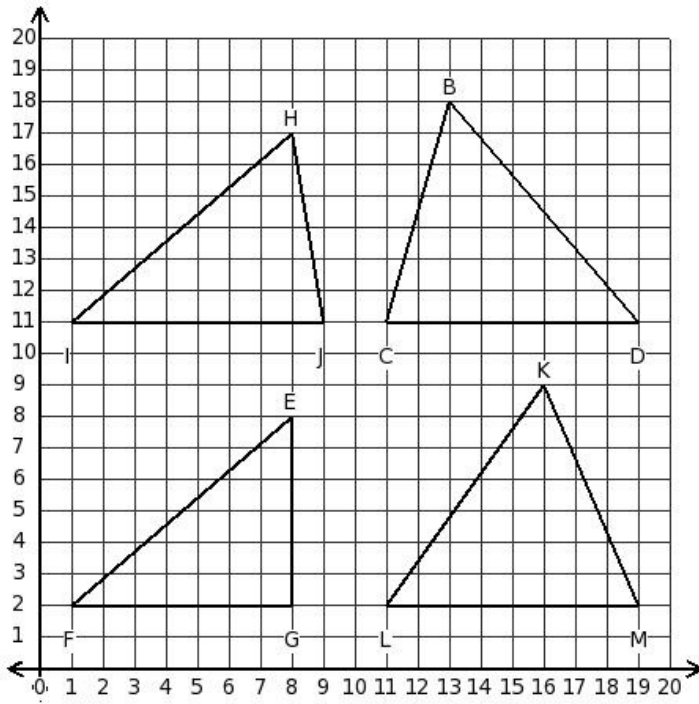
- (i) 13.00 cm (ii) 21.00 cm (iii) 18.00 cm (iv) 23.00 cm (v) 15.00 cm

4. If the side of an equilateral triangle is 15 cm, the height of the equilateral triangle =



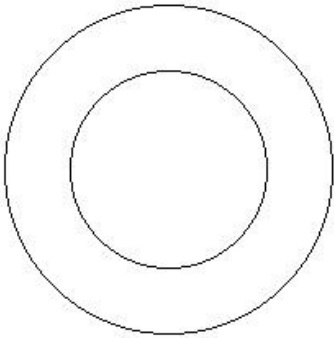
- (i) 9.99 cm (ii) 17.99 cm (iii) 12.99 cm (iv) 15.99 cm (v) 7.99 cm

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



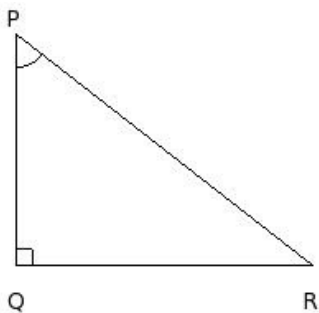
- (i) $\triangle BCD$ and $\triangle HIJ$ (ii) $\triangle BCD$ and $\triangle KLM$ (iii) $\triangle EFG$ and $\triangle HIJ$ (iv) $\triangle BCD$ and $\triangle EFG$ (v) $\triangle EFG$ and $\triangle KLM$

6. If the width of the ring is 4.00 cm and outer radius is 10.00 cm, the inner circle radius is



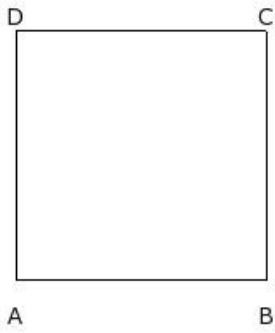
- (i) 4.00 cm (ii) 6.00 cm (iii) 5.00 cm (iv) 7.00 cm (v) 8.00 cm

7. In a right angled triangle $\triangle PQR$, if the base $QR = 18$ cm and the corresponding height is 14 cm, then corresponding height of side $PQ =$



- (i) 13.00 cm (ii) 21.00 cm (iii) 15.00 cm (iv) 23.00 cm (v) 18.00 cm

8. If the area of a square is 225.00 sq.cm, the perimeter of the square =

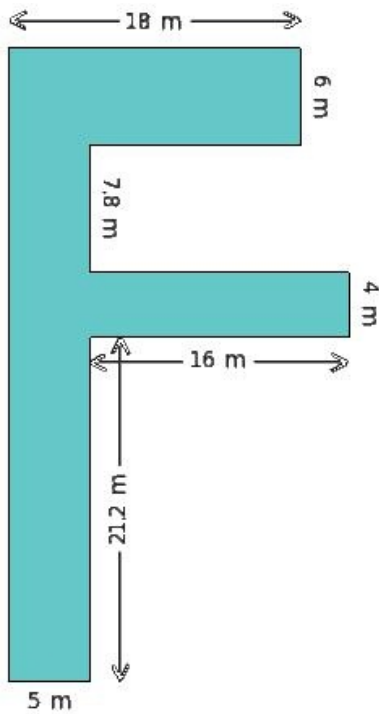


- (i) 63.00 cm (ii) 57.00 cm (iii) 65.00 cm (iv) 55.00 cm (v) 60.00 cm

9. 3463.7881 sq.m =

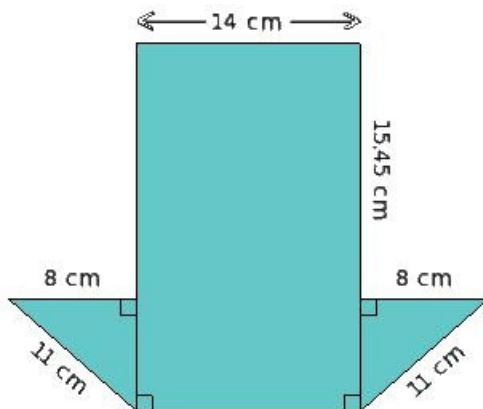
- (i) 7.34638 hectares (ii) 2.34638 hectares (iii) 8.34638 hectares (iv) 0.34638 hectares
(v) 1.34638 hectares

10. Find the area of the shaded region given below



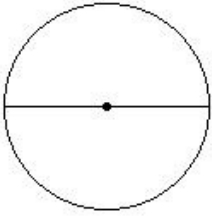
- (i) 320.00 sq.m (ii) 345.00 sq.m (iii) 337.00 sq.m (iv) 352.00 sq.m

11. Find the area of the shaded region



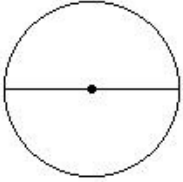
- (i) 381.40 sq.cm (ii) 382.40 sq.cm (iii) 380.40 sq.cm (iv) 384.40 sq.cm (v) 383.40 sq.cm

12. If diameter of the circle is 12.00 cm, the circumference of the circle is



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

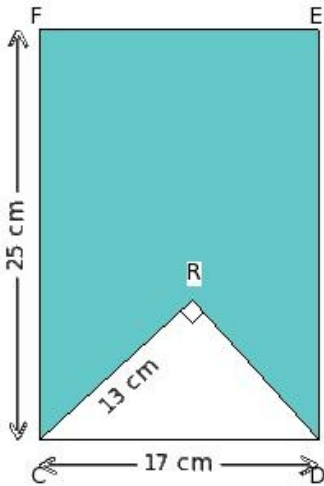
13. If diameter of the circle is 10.00 cm, the area of the circle is



- (i) 83.57 sq.cm (ii) 81.57 sq.cm (iii) 78.57 sq.cm (iv) 73.57 sq.cm (v) 75.57 sq.cm

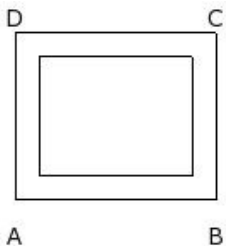
In the given figure, CDEF is a rectangle in which $CD = 17$ cm and $FC = 25$ cm.

14. Also, $\triangle RCD$ is a right angled triangle in which $\angle DRC = 90^\circ$ and $RC = 13$ cm
Find the area of the shaded region



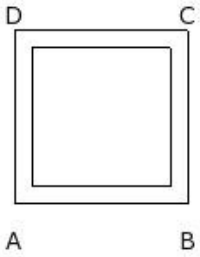
- (i) 351.80 sq.cm (ii) 352.80 sq.cm (iii) 353.80 sq.cm (iv) 355.80 sq.cm (v) 354.80 sq.cm

15. If the inner length, outer breadth and width of a rectangular path are 9.00 cm, 9.80 cm and 1.40 cm respectively, the area of the rectangular path =



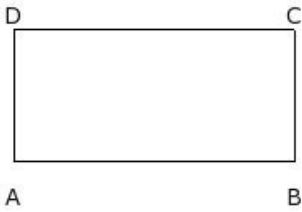
- (i) 49.64 sq.cm (ii) 57.64 sq.cm (iii) 52.64 sq.cm (iv) 47.64 sq.cm (v) 55.64 sq.cm

16. If the areas of inner and outer squares of a square path are 64.00 sq.cm and 100.00 sq.cm respectively, the width of the square path =



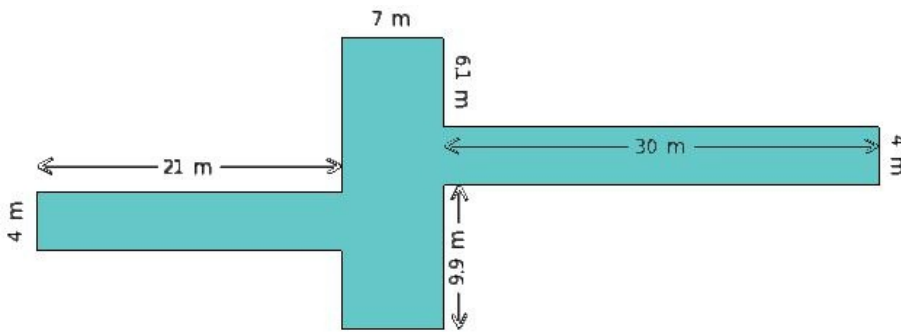
- (i) 3.00 cm (ii) 0.00 cm (iii) 1.00 cm (iv) 2.00 cm (v) 9.00 cm

17. If the perimeter and area of a rectangle are 50.00 cm and 136.00 sq.cm respectively, the length of the rectangle =



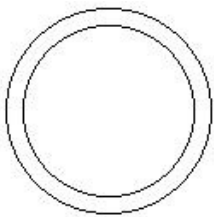
- (i) 12.00 cm (ii) 17.00 cm (iii) 14.00 cm (iv) 22.00 cm (v) 20.00 cm

18. Find the perimeter of the shaded region given below



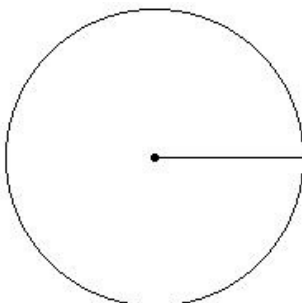
- (i) 184.00 m (ii) 129.00 m (iii) 163.00 m (iv) 150.00 m (v) 156.00 m

19. If the inner and outer radii of a ring are 5.00 cm and 6.00 cm respectively, the inner circle area is



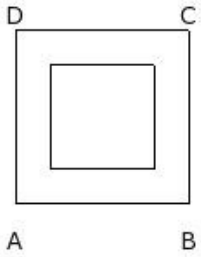
- (i) 78.57 sq.cm (ii) 73.57 sq.cm (iii) 75.57 sq.cm (iv) 81.57 sq.cm (v) 83.57 sq.cm

20. If radius of the circle is 9.00 cm, the area of the semicircle is



- (i) 130.29 sq.cm (ii) 149.29 sq.cm (iii) 127.29 sq.cm (iv) 111.29 sq.cm

21. If the outer side of a square path is 10.00 cm and area of the square path is 64.00 sq.cm, the area of the outer square =



- (i) 85.00 sq.cm (ii) 76.00 sq.cm (iii) 114.00 sq.cm (iv) 102.00 sq.cm (v) 100.00 sq.cm

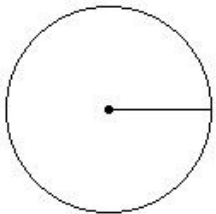
22. 18.4275 hectares =

- (i) 184274.00000 sq.m (ii) 184273.00000 sq.m (iii) 184276.00000 sq.m (iv) 184275.00000 sq.m
(v) 184277.00000 sq.m

23. 10.4832 sq.km =

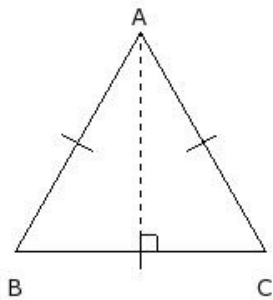
- (i) 10483201.00000 sq.m (ii) 10483202.00000 sq.m (iii) 10483200.00000 sq.m
(iv) 10483199.00000 sq.m (v) 10483198.00000 sq.m

24. If radius of the circle is 6.00 cm, the perimeter of the semicircle is



- (i) 25.86 cm (ii) 35.86 cm (iii) 30.86 cm (iv) 27.86 cm (v) 33.86 cm

25. If area of an equilateral triangle is 97.43 sq.cm, the height of the equilateral triangle =



- (i) 9.99 cm (ii) 12.99 cm (iii) 17.99 cm (iv) 7.99 cm (v) 15.99 cm

Assignment Key

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