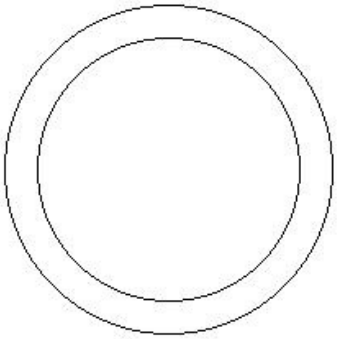
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Perimeter and Area

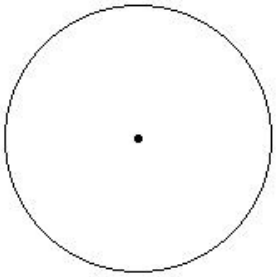
Grade : CBSE Grade VII

1. If the inner radius of the ring is 8.00 cm and area of the ring is 113.14 sq.cm, the width of the ring is



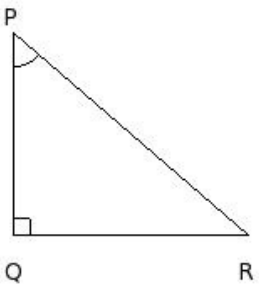
(i) 1.00 cm (ii) 3.00 cm (iii) 0.00 cm (iv) 2.00 cm (v) 4.00 cm

2. If circumference of the circle is 50.29 cm, the area of the circle is



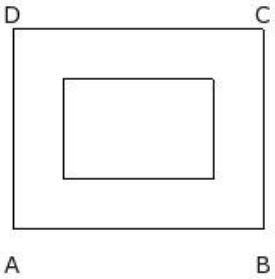
(i) 183.14 sq.cm (ii) 217.14 sq.cm (iii) 201.14 sq.cm (iv) 206.14 sq.cm (v) 187.14 sq.cm

3. In a right angled triangle △PQR, if the base QR = 14 cm and the corresponding height is 12 cm, then side PQ =



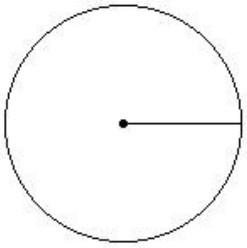
(i) 9.00 cm (ii) 15.00 cm (iii) 7.00 cm (iv) 17.00 cm (v) 12.00 cm

4. If the outer length, inner breadth and area of the inner rectangle of a rectangular path are 15.00 cm, 6.00 cm and 54.00 sq.cm respectively, the outer breadth of the rectangular path =



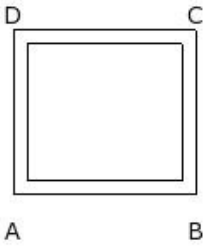
(i) 17.00 cm (ii) 15.00 cm (iii) 9.00 cm (iv) 12.00 cm (v) 7.00 cm

5. If radius of the circle is 7.00 cm, the perimeter of the semicircle is



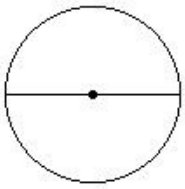
(i) 39.00 cm (ii) 31.00 cm (iii) 41.00 cm (iv) 36.00 cm (v) 33.00 cm

6. If the outer length, outer breadth and width of a rectangular path are 10.60 cm, 9.60 cm and 0.80 cm respectively, the area of the rectangular path =



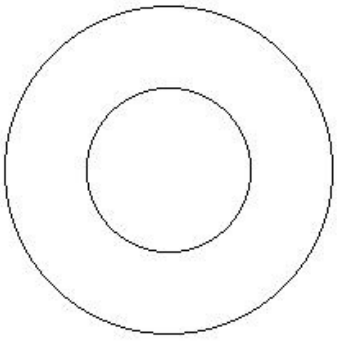
(i) 26.76 sq.cm (ii) 32.76 sq.cm (iii) 34.76 sq.cm (iv) 29.76 sq.cm (v) 24.76 sq.cm

7. If diameter of the circle is 10.00 cm, the circumference of the circle is



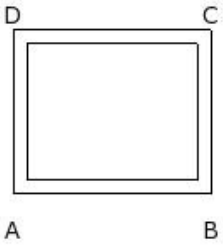
(i) 36.43 cm (ii) 28.43 cm (iii) 34.43 cm (iv) 31.43 cm (v) 26.43 cm

8. If the outer radius of the ring is 10.00 cm and area of the ring is 235.71 sq.cm, the width of the ring is



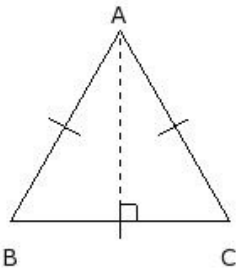
(i) 5.00 cm (ii) 3.00 cm (iii) 7.00 cm (iv) 6.00 cm (v) 4.00 cm

9. If the inner length, outer breadth and area of the inner rectangle of a rectangular path are 10.00 cm, 9.60 cm and 80.00 sq.cm respectively, the area of the rectangular path =



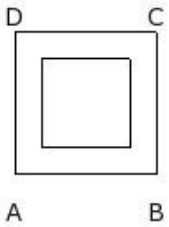
(i) 34.36 sq.cm (ii) 26.36 sq.cm (iii) 31.36 sq.cm (iv) 36.36 sq.cm (v) 28.36 sq.cm

10. If the side of an equilateral triangle is 13 cm, the height of the equilateral triangle =



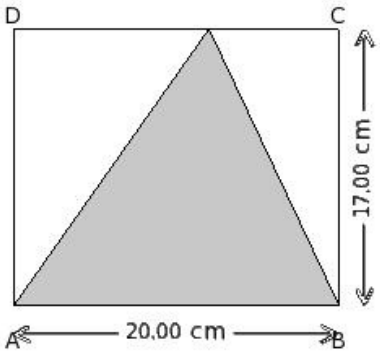
(i) 8.26 cm (ii) 14.26 cm (iii) 11.26 cm (iv) 6.26 cm (v) 16.26 cm

11. If the outer side of a square path is 8.00 cm and area of the square path is 39.00 sq.cm, the width of the square path =



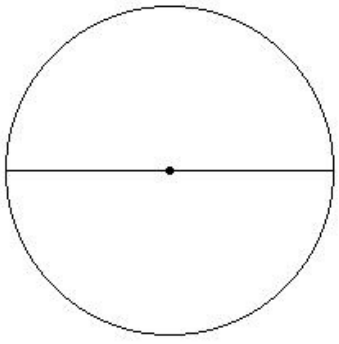
(i) 9.50 cm (ii) 0.50 cm (iii) 1.50 cm (iv) 2.50 cm (v) 3.50 cm

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



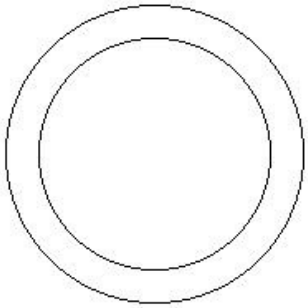
(i) 156.00 sq.cm (ii) 158.00 sq.cm (iii) 172.00 sq.cm (iv) 170.00 sq.cm (v) 187.00 sq.cm

13. If diameter of the circle is 20.00 cm, the radius of the circle is



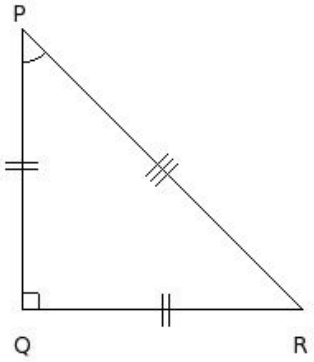
(i) 7.00 cm (ii) 5.00 cm (iii) 15.00 cm (iv) 10.00 cm (v) 13.00 cm

14. If the outer radius of the ring is 9.00 cm and area of the ring is 100.57 sq.cm, the inner circle radius is



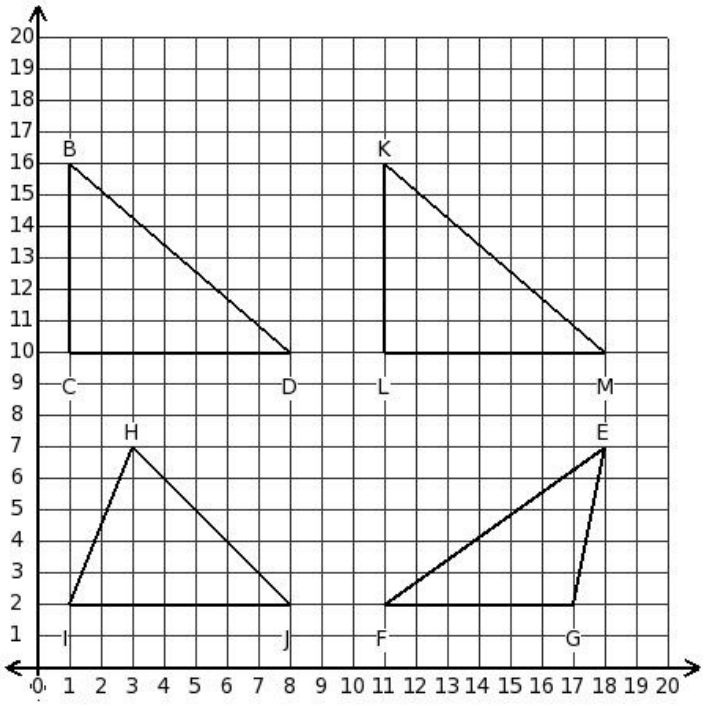
(i) 6.00 cm (ii) 9.00 cm (iii) 5.00 cm (iv) 7.00 cm (v) 8.00 cm

15. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 17 cm, then side QR =



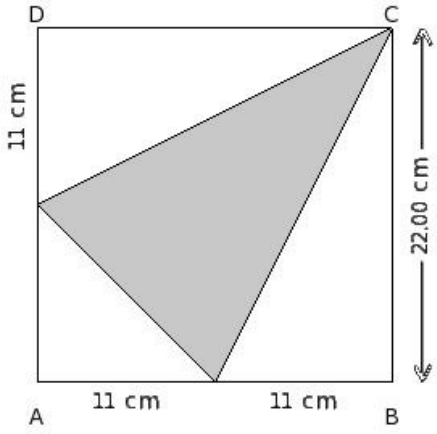
(i) 22.00 cm (ii) 14.00 cm (iii) 20.00 cm (iv) 12.00 cm (v) 17.00 cm

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



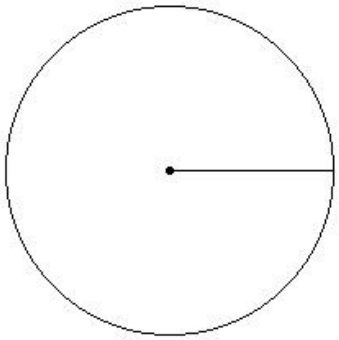
(i) △BCD and △KLM (ii) △BCD and △HIJ (iii) △BCD and △EFG (iv) △EFG and △HIJ (v) △EFG and △KLM

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



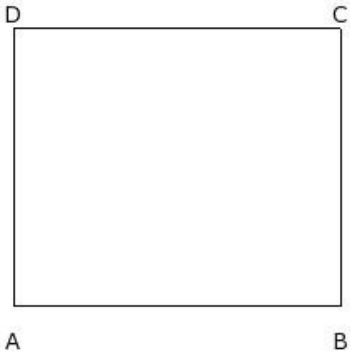
(i) 169.50 sq.cm (ii) 181.50 sq.cm (iii) 157.50 sq.cm (iv) 199.50 sq.cm (v) 208.50 sq.cm

18. If area of the circle is 314.29 sq.cm, the radius of the circle is



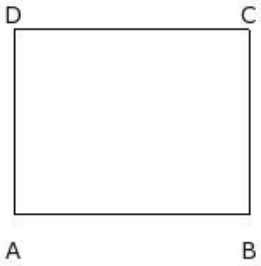
(i) 13.00 cm (ii) 7.00 cm (iii) 10.00 cm (iv) 5.00 cm (v) 15.00 cm

19. If the breadth and perimeter of a rectangle are 17.00 cm and 74.00 cm respectively, the area of the rectangle =



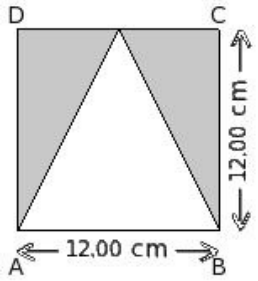
(i) 366.00 sq.cm (ii) 340.00 sq.cm (iii) 326.00 sq.cm (iv) 347.00 sq.cm (v) 325.00 sq.cm

20. If the perimeter and area of a rectangle are 50.00 cm and 154.00 sq.cm respectively, the breadth of the rectangle =



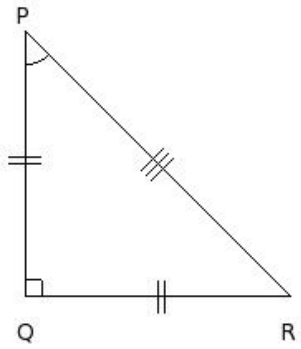
(i) 16.00 cm (ii) 8.00 cm (iii) 6.00 cm (iv) 14.00 cm (v) 11.00 cm

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



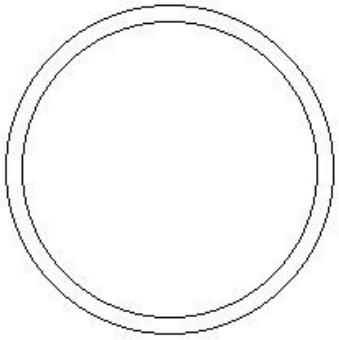
(i) 72.00 sq.cm (ii) 69.00 sq.cm (iii) 75.00 sq.cm (iv) 77.00 sq.cm (v) 67.00 sq.cm

22. In an isosceles right angled triangle △PQR, if corresponding height to the base QR is 16 cm, then side PQ =



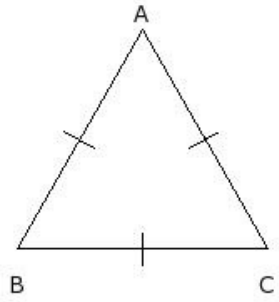
(i) 21.00 cm (ii) 11.00 cm (iii) 13.00 cm (iv) 19.00 cm (v) 16.00 cm

23. If the inner radius of the ring is 9.00 cm and area of the ring is 59.71 sq.cm, the outer circle radius is



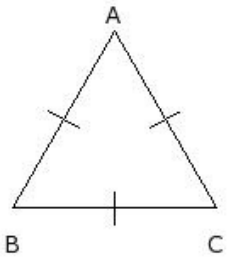
(i) 13.00 cm (ii) 5.00 cm (iii) 15.00 cm (iv) 7.00 cm (v) 10.00 cm

24. If area of an equilateral triangle is 97.43 sq.cm, the perimeter of the equilateral triangle =



(i) 50.00 cm (ii) 40.00 cm (iii) 42.00 cm (iv) 45.00 cm (v) 48.00 cm

25. If the side of an equilateral triangle is 12 cm, the perimeter of the equilateral triangle =



(i) 36.00 cm (ii) 41.00 cm (iii) 33.00 cm (iv) 39.00 cm (v) 31.00 cm

Assignment Key

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