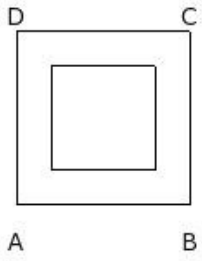
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Perimeter and Area

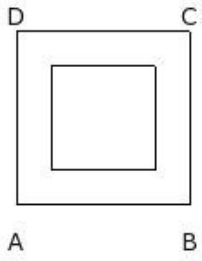
Grade : ICSE Grade VII

1. If the inner side of a square path is 6.00 cm and area of the square path is 64.00 sq.cm, the width of the square path =



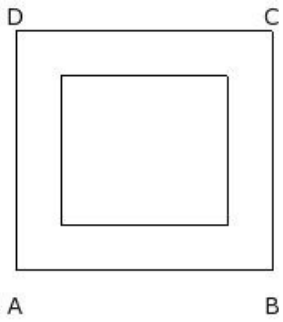
(i) 1.00 cm (ii) 2.00 cm (iii) 4.00 cm (iv) 0.00 cm (v) 3.00 cm

2. If the areas of inner and outer squares of a square path are 36.00 sq.cm and 100.00 sq.cm respectively, the width of the square path =



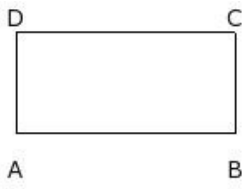
(i) 2.00 cm (ii) 3.00 cm (iii) 1.00 cm (iv) 4.00 cm (v) 0.00 cm

3. If the inner length, outer breadth and width of a rectangular path are 10.00 cm, 14.40 cm and 2.70 cm respectively, the area of the rectangular path =



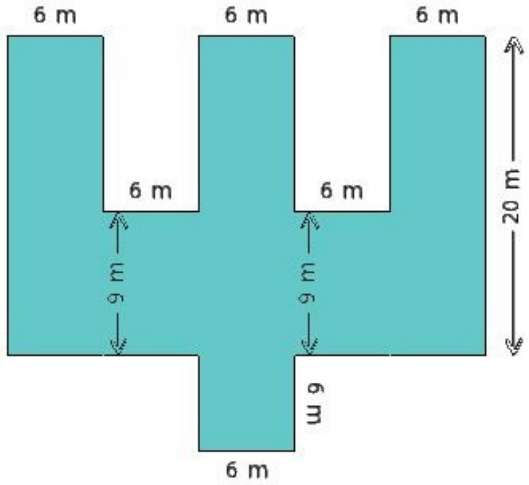
(i) 131.76 sq.cm (ii) 158.76 sq.cm (iii) 137.76 sq.cm (iv) 103.76 sq.cm (v) 116.76 sq.cm

4. If the breadth and area of a rectangle are 6.00 cm and 78.00 sq.cm respectively, the length of the rectangle =



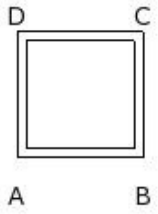
(i) 18.00 cm (ii) 8.00 cm (iii) 13.00 cm (iv) 16.00 cm (v) 10.00 cm

5. Find the perimeter of the shaded region given below



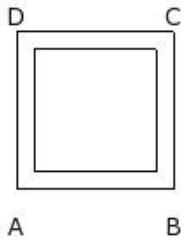
(i) 170.00 m (ii) 171.00 m (iii) 156.00 m (iv) 134.00 m (v) 138.00 m

6. If the areas of inner and outer squares of a square path are 36.00 sq.cm and 49.00 sq.cm respectively, the area of the square path =



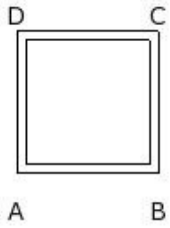
(i) 18.00 sq.cm (ii) 8.00 sq.cm (iii) 13.00 sq.cm (iv) 10.00 sq.cm (v) 16.00 sq.cm

7. If the inner side of a square path is 7.00 cm and area of the square path is 32.00 sq.cm, the outer side of the square path =



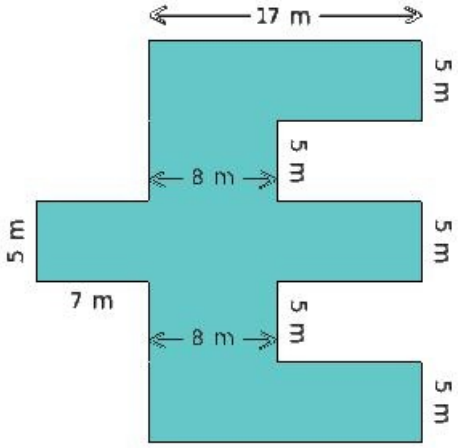
(i) 8.00 cm (ii) 9.00 cm (iii) 11.00 cm (iv) 10.00 cm (v) 7.00 cm

8. If the outer side of a square path is 8.00 cm and area of the square path is 15.00 sq.cm, the inner side of the square path =



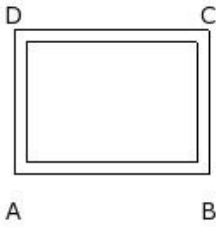
(i) 9.00 cm (ii) 8.00 cm (iii) 6.00 cm (iv) 5.00 cm (v) 7.00 cm

9. Find the perimeter of the shaded region given below



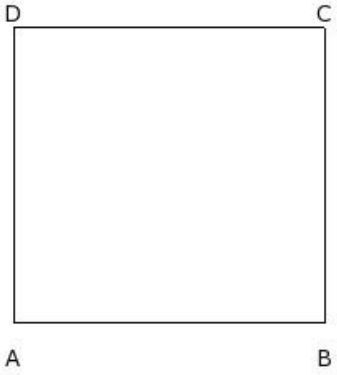
(i) 127.00 m (ii) 134.00 m (iii) 148.00 m (iv) 112.00 m (v) 147.00 m

10. If the inner length, inner breadth and width of a rectangular path are 10.00 cm, 7.00 cm and 0.70 cm respectively, the area of the rectangular path =



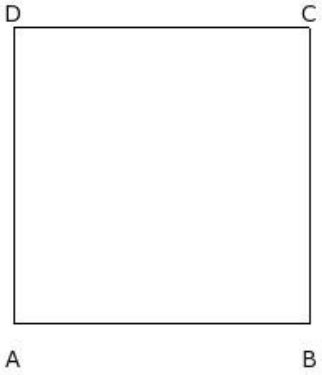
(i) 22.76 sq.cm (ii) 25.76 sq.cm (iii) 28.76 sq.cm (iv) 20.76 sq.cm (v) 30.76 sq.cm

11. If the length and perimeter of a rectangle are 19.00 cm and 74.00 cm respectively, the area of the rectangle =



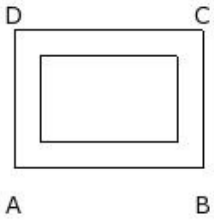
(i) 342.00 sq.cm (ii) 329.00 sq.cm (iii) 364.00 sq.cm (iv) 357.00 sq.cm

12. If the area of a square is 324.00 sq.cm, the perimeter of the square =



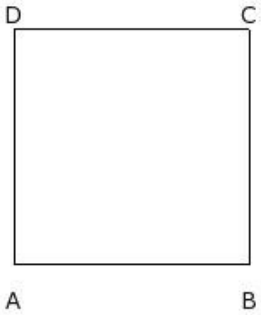
(i) 77.00 cm (ii) 75.00 cm (iii) 69.00 cm (iv) 67.00 cm (v) 72.00 cm

13. If the outer length, inner breadth and width of a rectangular path are 11.00 cm, 5.00 cm and 1.50 cm respectively, the area of the rectangular path =



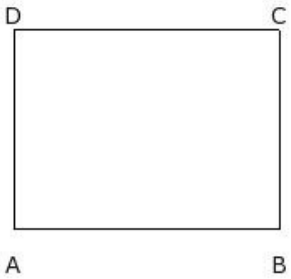
(i) 43.00 sq.cm (ii) 51.00 sq.cm (iii) 45.00 sq.cm (iv) 48.00 sq.cm (v) 53.00 sq.cm

14. If the area of a square is 196.00 sq.cm, the side of the square =



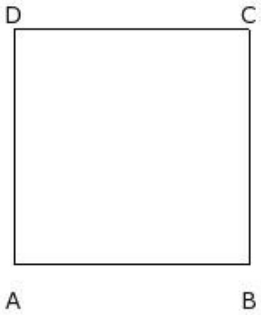
(i) 11.00 cm (ii) 9.00 cm (iii) 19.00 cm (iv) 14.00 cm (v) 17.00 cm

15. If the breadth and area of a rectangle are 12.00 cm and 192.00 sq.cm respectively, the perimeter of the rectangle =



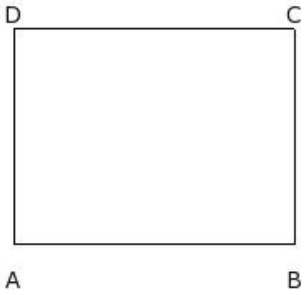
(i) 56.00 cm (ii) 51.00 cm (iii) 61.00 cm (iv) 53.00 cm (v) 59.00 cm

16. If the side of a square is 14.00 cm, the perimeter of the square =



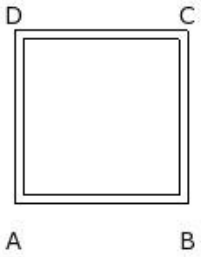
(i) 53.00 cm (ii) 51.00 cm (iii) 56.00 cm (iv) 61.00 cm (v) 59.00 cm

17. If the length and breadth of a rectangle are 17.00 cm and 13.00 cm respectively, the perimeter of the rectangle =



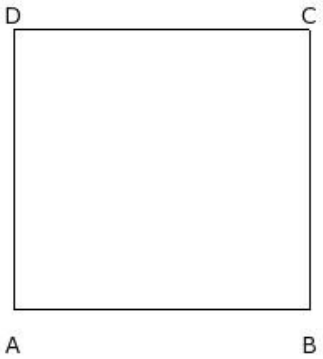
(i) 65.00 cm (ii) 60.00 cm (iii) 63.00 cm (iv) 55.00 cm (v) 57.00 cm

18. If the width of a square path is 0.50 cm and outer side is 10.00 cm, the area of the square path =



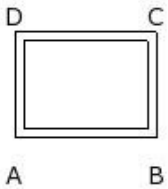
(i) 22.00 sq.cm (ii) 14.00 sq.cm (iii) 24.00 sq.cm (iv) 16.00 sq.cm (v) 19.00 sq.cm

19. If the length and breadth of a rectangle are 18.00 cm and 17.00 cm respectively, the area of the rectangle =



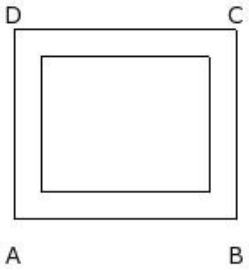
(i) 323.00 sq.cm (ii) 280.00 sq.cm (iii) 322.00 sq.cm (iv) 306.00 sq.cm (v) 291.00 sq.cm

20. If the inner length, outer breadth and area of the inner rectangle of a rectangular path are 7.00 cm, 6.00 cm and 35.00 sq.cm respectively, the width of the rectangular path =



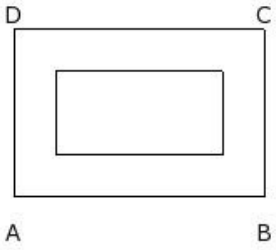
(i) 8.50 cm (ii) 1.50 cm (iii) 0.50 cm (iv) 7.50 cm (v) 2.50 cm

21. If the inner length, outer breadth and area of the outer rectangle of a rectangular path are 10.00 cm, 11.20 cm and 147.84 sq.cm respectively, the area of the rectangular path =



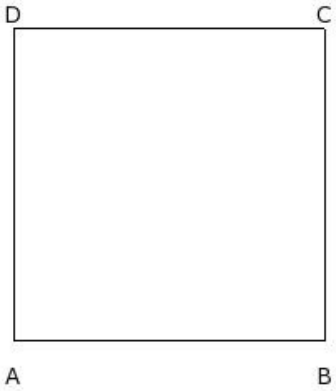
(i) 64.84 sq.cm (ii) 70.84 sq.cm (iii) 72.84 sq.cm (iv) 62.84 sq.cm (v) 67.84 sq.cm

22. If the inner length, inner breadth, outer length and outer breadth of a rectangular path are 10.00 cm, 5.00 cm, 15.00 cm and 10.00 cm respectively, the area of the rectangular path =



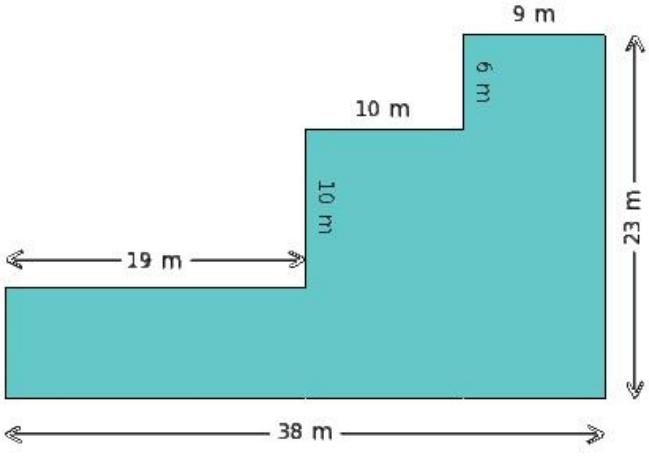
(i) 75.00 sq.cm (ii) 100.00 sq.cm (iii) 116.00 sq.cm (iv) 97.00 sq.cm

23. If the side of a square is 19.00 cm, the area of the square =



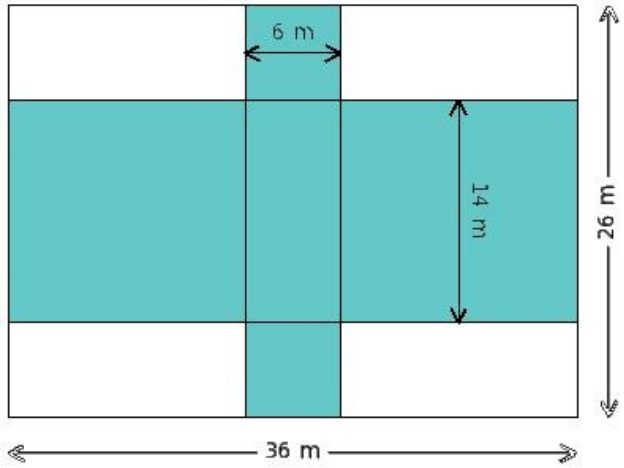
(i) 337.00 sq.cm (ii) 383.00 sq.cm (iii) 376.00 sq.cm (iv) 361.00 sq.cm (v) 348.00 sq.cm

24. Find the area of the shaded region given below



(i) 493.00 sq.m (ii) 516.00 sq.m (iii) 510.00 sq.m (iv) 536.00 sq.m (v) 508.00 sq.m

25. A rectangular field is 36 m by 26 m. It has two paths through its centre, running parallel to its sides. The width of the longer and the shorter paths are 14 m and 6 m respectively. Find the total expense involved in laying tiles on the paths at ₹24.6 per 1 sq.m and laying grass in the remaining portion at ₹22.5 per 1 sq.m.



(i) ₹22270.60 (ii) ₹22269.60 (iii) ₹22267.60 (iv) ₹22271.60 (v) ₹22268.60

Assignment Key

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