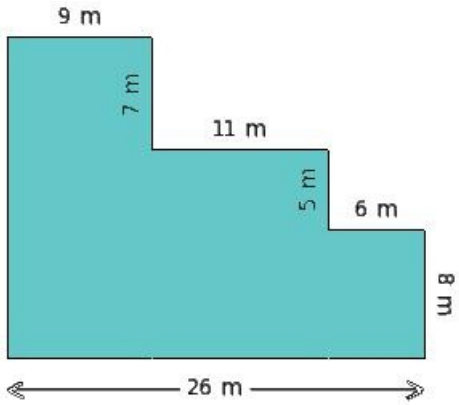
EduSahara™ Assignment

Name : Perimeter and Area of Complex Shaped Figures - 2

Chapter : Perimeter and Area of Plane Figures

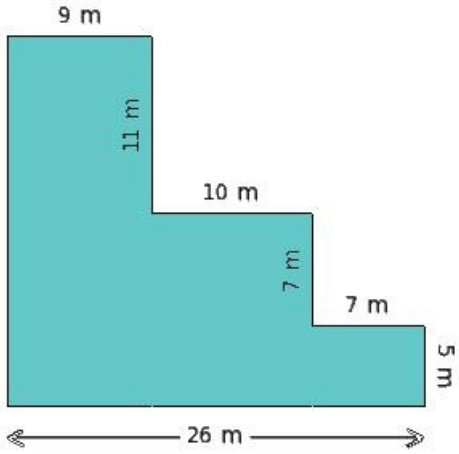
Grade : ICSE Grade VIII

1. Find the area of the shaded region given below



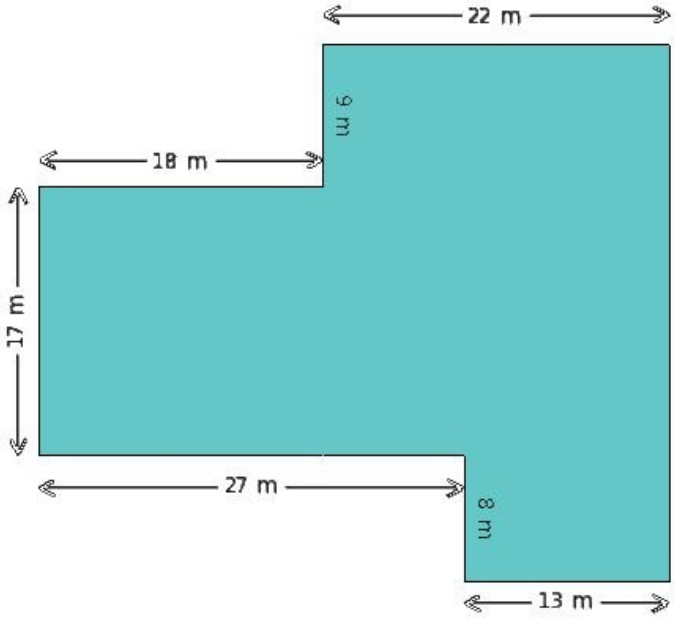
(i) 389.00 sq.m (ii) 371.00 sq.m (iii) 386.00 sq.m (iv) 357.00 sq.m

2. Find the perimeter of the shaded region given below



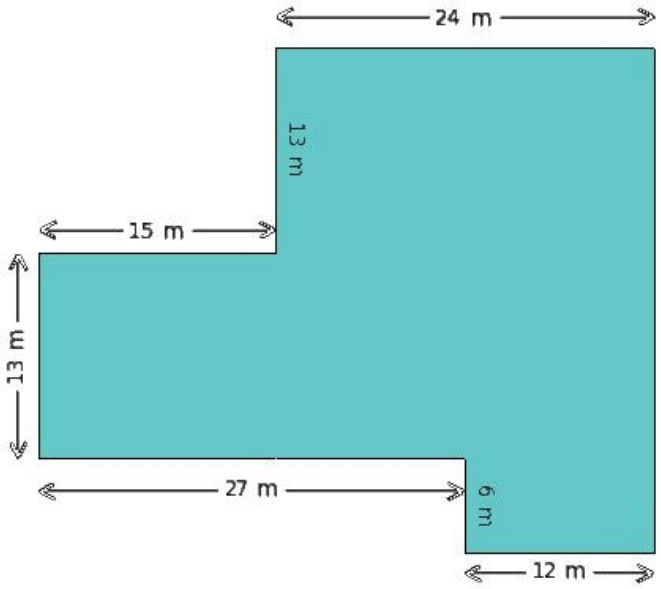
(i) 95.00 m (ii) 93.00 m (iii) 103.00 m (iv) 101.00 m (v) 98.00 m

3. Find the area of the shaded region given below



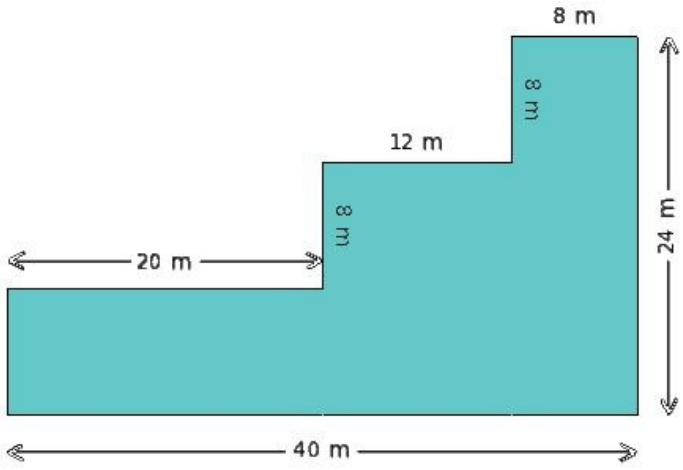
(i) 974.00 sq.m (ii) 982.00 sq.m (iii) 959.00 sq.m (iv) 988.00 sq.m (v) 996.00 sq.m

4. Find the perimeter of the shaded region given below



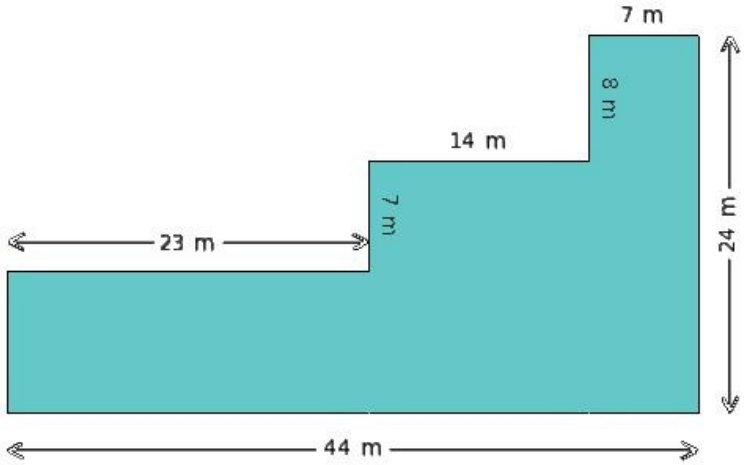
(i) 115.00 m (ii) 136.00 m (iii) 159.00 m (iv) 150.00 m (v) 142.00 m

5. Find the area of the shaded region given below



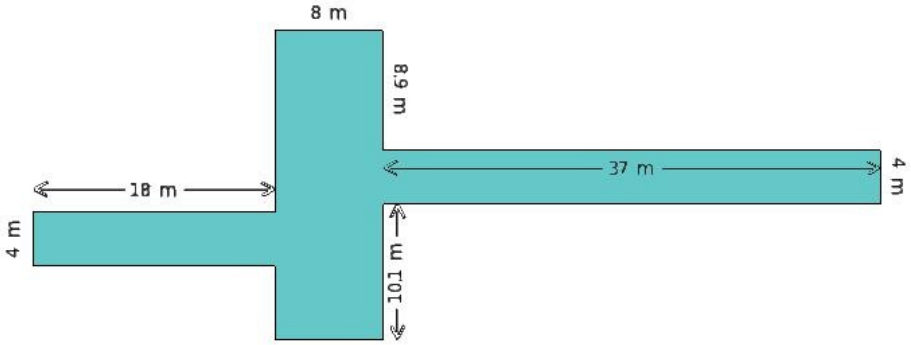
(i) 544.00 sq.m (ii) 528.00 sq.m (iii) 566.00 sq.m (iv) 516.00 sq.m (v) 547.00 sq.m

6. Find the perimeter of the shaded region given below



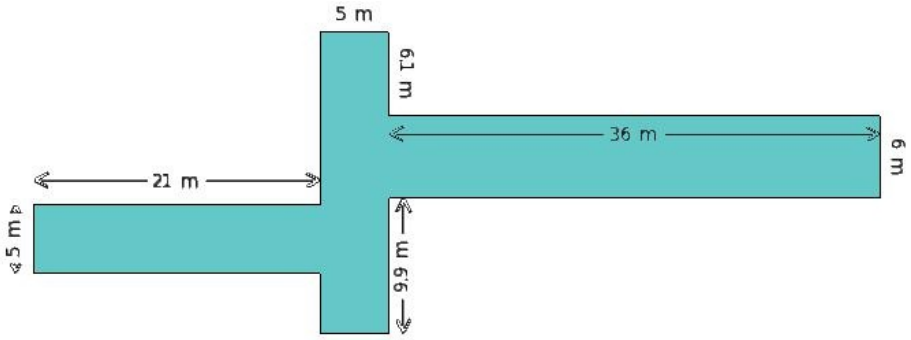
(i) 118.00 m (ii) 142.00 m (iii) 123.00 m (iv) 149.00 m (v) 136.00 m

7. Find the area of the shaded region given below



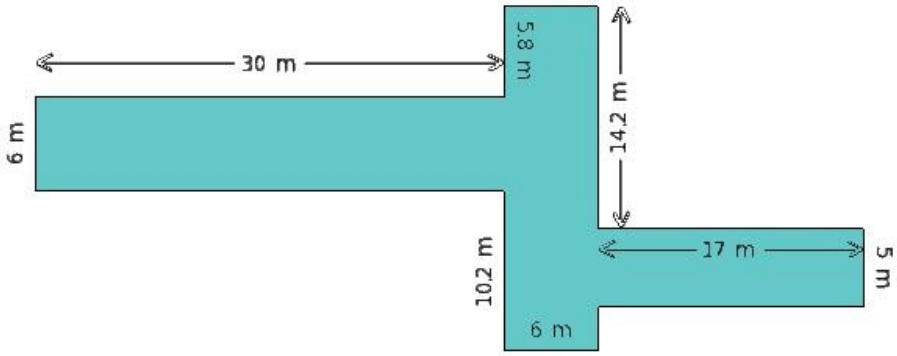
(i) 376.00 sq.m (ii) 426.00 sq.m (iii) 391.00 sq.m (iv) 409.00 sq.m (v) 404.00 sq.m

8. Find the perimeter of the shaded region given below



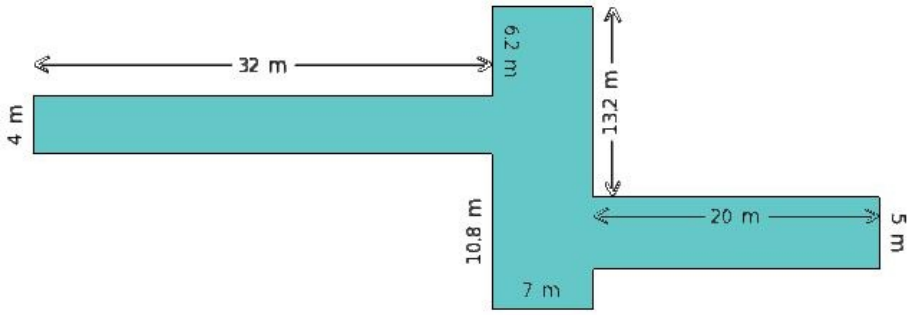
(i) 180.00 m (ii) 176.00 m (iii) 152.00 m (iv) 151.00 m (v) 168.00 m

9. Find the area of the shaded region given below



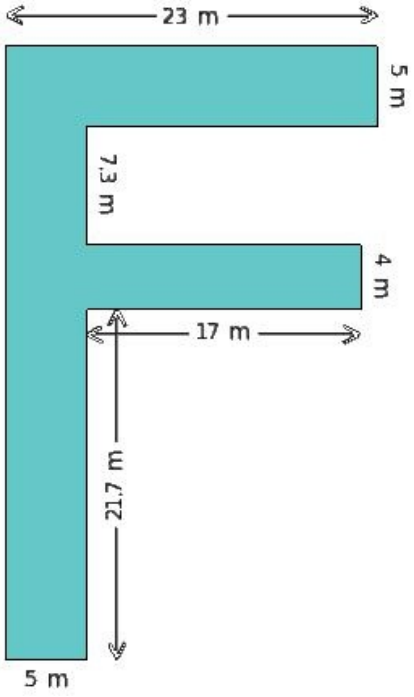
(i) 413.00 sq.m (ii) 397.00 sq.m (iii) 379.00 sq.m (iv) 404.00 sq.m (v) 375.00 sq.m

10. Find the perimeter of the shaded region given below



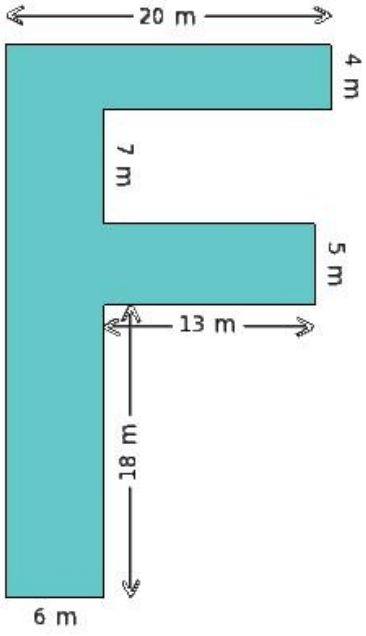
(i) 172.00 m (ii) 156.00 m (iii) 160.00 m (iv) 185.00 m (v) 143.00 m

11. Find the area of the shaded region given below



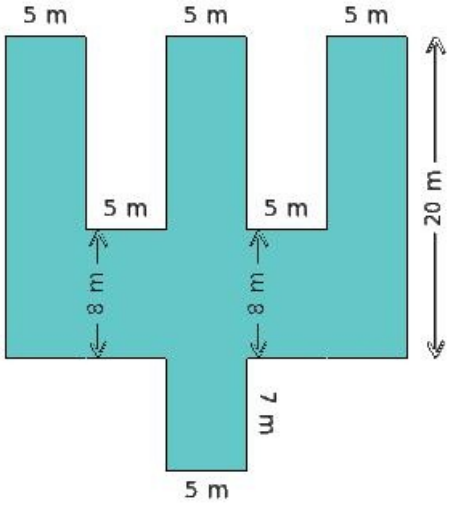
(i) 344.00 sq.m (ii) 321.00 sq.m (iii) 354.00 sq.m (iv) 365.00 sq.m (v) 348.00 sq.m

12. Find the perimeter of the shaded region given below



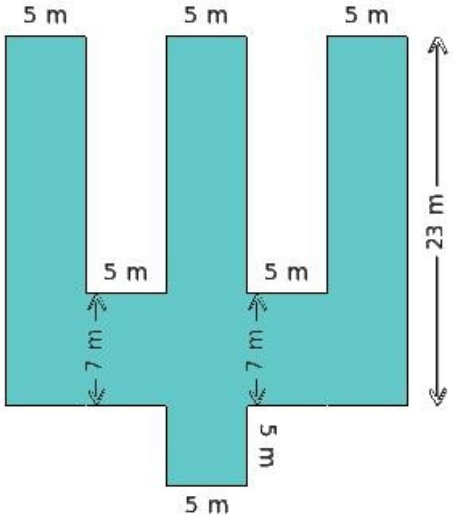
(i) 118.00 m (ii) 147.00 m (iii) 132.00 m (iv) 134.00 m (v) 152.00 m

13. Find the area of the shaded region given below



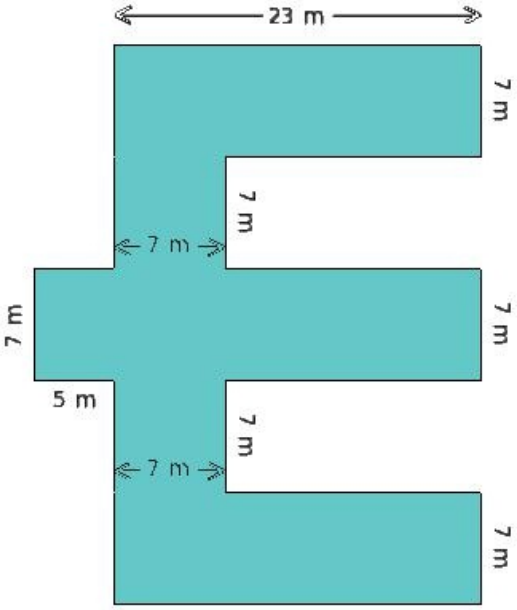
(i) 398.00 sq.m (ii) 403.00 sq.m (iii) 417.00 sq.m (iv) 428.00 sq.m (v) 415.00 sq.m

14. Find the perimeter of the shaded region given below



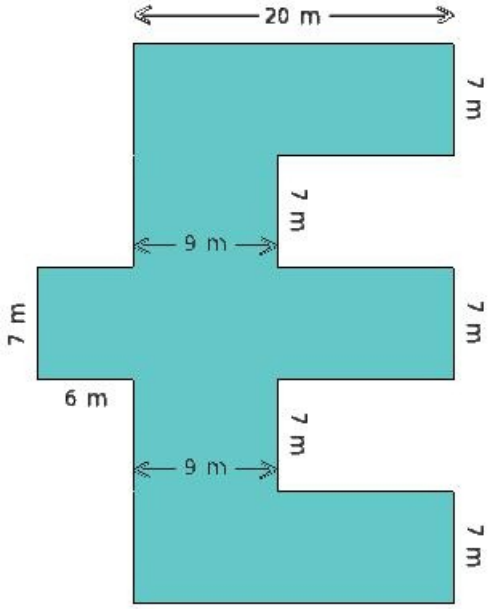
(i) 172.00 m (ii) 153.00 m (iii) 170.00 m (iv) 147.00 m (v) 194.00 m

15. Find the area of the shaded region given below



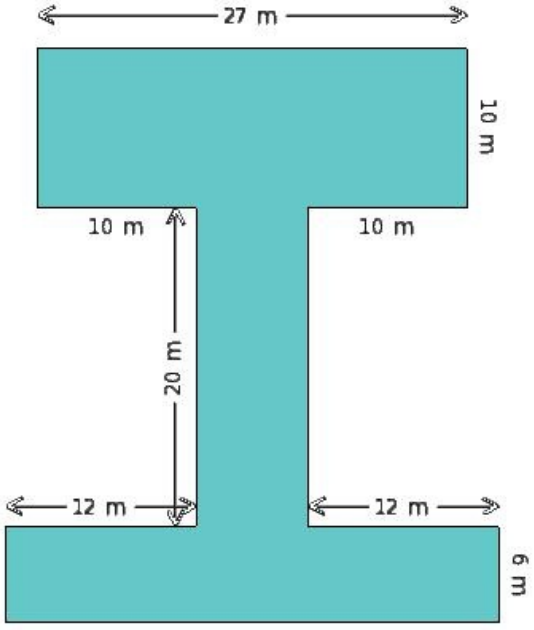
(i) 599.00 sq.m (ii) 614.00 sq.m (iii) 631.00 sq.m (iv) 616.00 sq.m (v) 633.00 sq.m

16. Find the perimeter of the shaded region given below



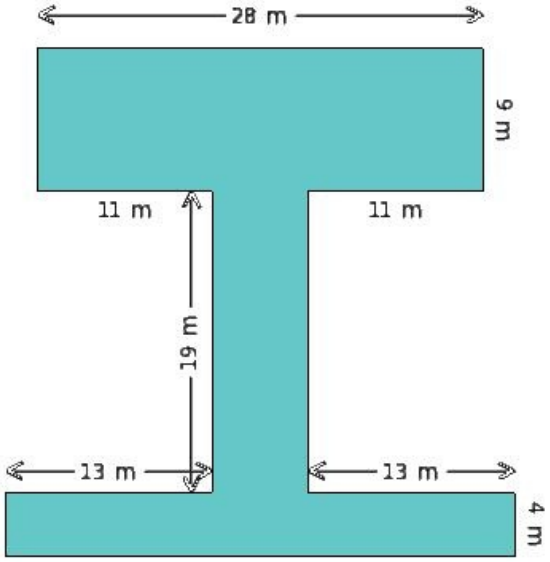
(i) 151.00 m (ii) 183.00 m (iii) 166.00 m (iv) 142.00 m (v) 170.00 m

17. Find the area of the shaded region given below



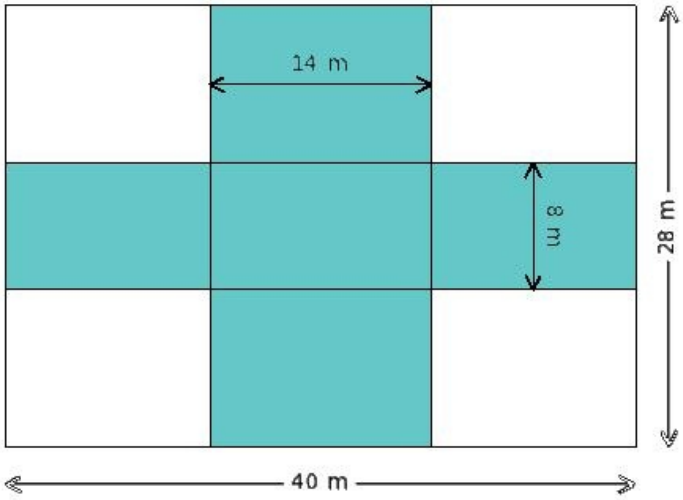
(i) 580.00 sq.m (ii) 584.00 sq.m (iii) 624.00 sq.m (iv) 613.00 sq.m (v) 596.00 sq.m

18. Find the perimeter of the shaded region given below



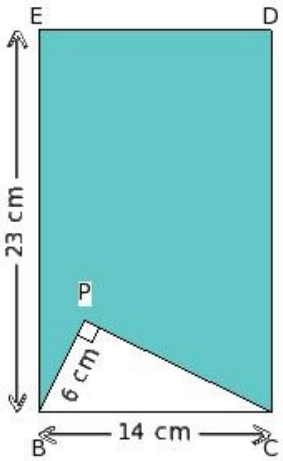
(i) 155.00 m (ii) 172.00 m (iii) 149.00 m (iv) 174.00 m (v) 190.00 m

19. A rectangular field is 40 m by 28 m. It has two paths through its centre, running parallel to its sides. The width of the longer and the shorter paths are 8 m and 14 m respectively. Find the total expense involved in laying tiles on the paths at ₹24.4 per 1 sq.m and laying grass in the remaining portion at ₹20.6 per 1 sq.m.



(i) ₹25350.00 (ii) ₹25353.00 (iii) ₹25352.00 (iv) ₹25354.00 (v) ₹25351.00

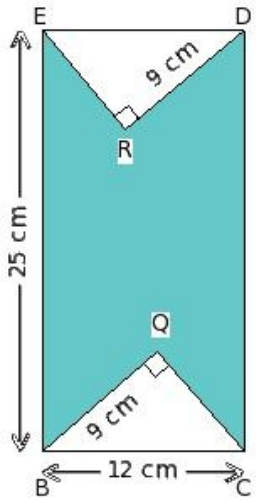
20. In the given figure, BCDE is a rectangle in which BC = 14 cm and EB = 23 cm. Also, △PBC is a right angled triangle in which ∠CPB = 90° and PB = 6 cm Find the area of the shaded region



(i) 285.05 sq.cm (ii) 286.05 sq.cm (iii) 284.05 sq.cm (iv) 282.05 sq.cm (v) 283.05 sq.cm

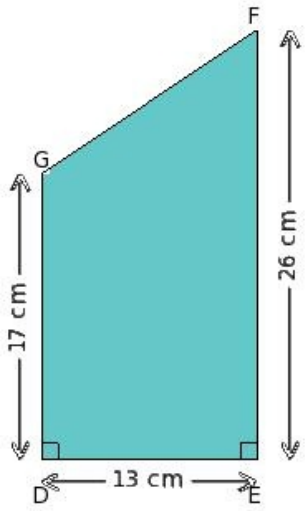
In the given figure, BCDE is a rectangle in which BC = 12 cm and EB = 25 cm.

21. Also, △QBC and △RDE are the right angled triangles in which ∠CQB = ∠ERD = 90°, QB = 9 cm and RD = 9 cm. Find the area of the shaded region



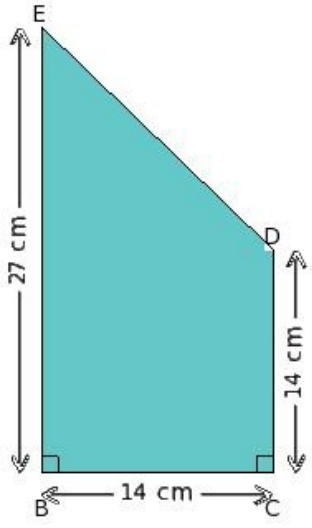
(i) 226.56 sq.cm (ii) 229.56 sq.cm (iii) 227.56 sq.cm (iv) 228.56 sq.cm (v) 230.56 sq.cm

22. Find the area of shaded region in the adjoining figure, given that DE = 13 cm, EF = 26 cm, DG = 17 cm and ∠GDE = ∠DEF = 90°.



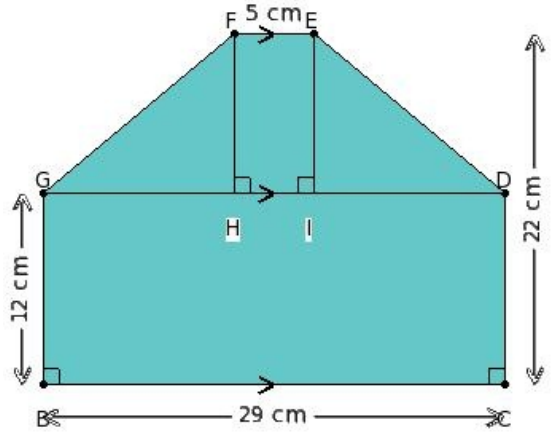
(i) 278.50 sq.cm (ii) 280.50 sq.cm (iii) 277.50 sq.cm (iv) 281.50 sq.cm (v) 279.50 sq.cm

23. Find the area of shaded region in the adjoining figure, given that BC = 14 cm, CD = 27 cm, BE = 14 cm and ∠EBC = ∠BCD = 90°.



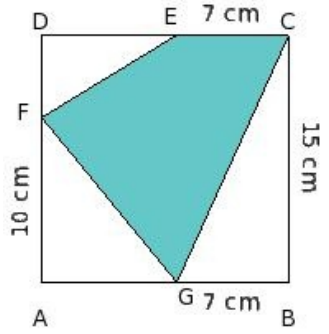
(i) 287.00 sq.cm (ii) 288.00 sq.cm (iii) 289.00 sq.cm (iv) 285.00 sq.cm (v) 286.00 sq.cm

24. Find the area of the shaded region of the adjoining figure, given that ∠GBC = ∠DCB = 90°, FE ∥ BC ∥ GD, FH ⊥ GD, EI ⊥ GD, GH = ID, BC = 29 cm, BG = 12 cm, FE = 5 cm and distance between BC and FE is 22 cm



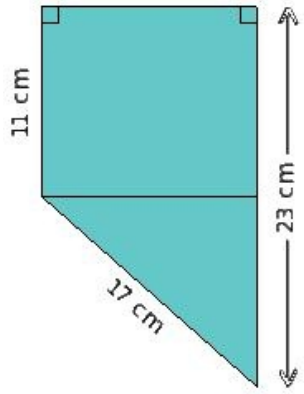
(i) 516.00 sq.cm (ii) 520.00 sq.cm (iii) 519.00 sq.cm (iv) 517.00 sq.cm (v) 518.00 sq.cm

25. Find the area of the shaded region in the adjoining figure, given that ABCD is a square of side 15 cm, CE = 7 cm, FA = 10 cm and BG = 7 cm



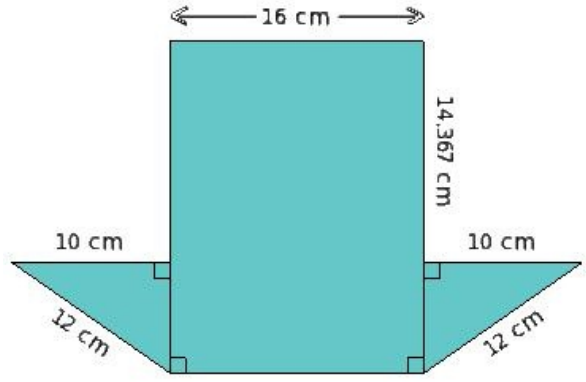
(i) 110.50 sq.cm (ii) 114.50 sq.cm (iii) 113.50 sq.cm (iv) 112.50 sq.cm (v) 111.50 sq.cm

26. Find the area of the shaded region



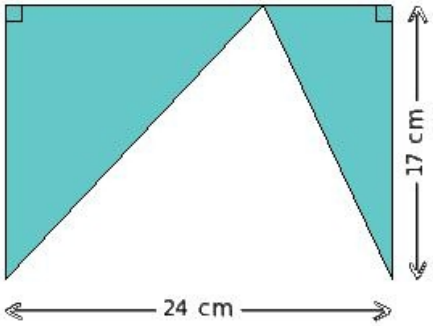
(i) 203.71 sq.cm (ii) 202.71 sq.cm (iii) 205.71 sq.cm (iv) 204.71 sq.cm (v) 206.71 sq.cm

27. Find the area of the shaded region



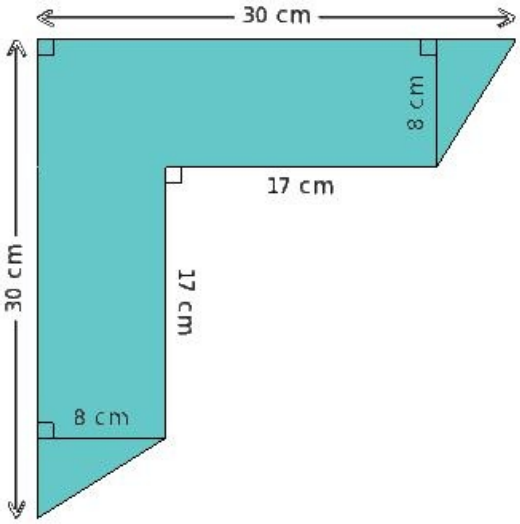
(i) 403.33 sq.cm (ii) 402.33 sq.cm (iii) 404.33 sq.cm (iv) 401.33 sq.cm (v) 400.33 sq.cm

28. Find the area of the shaded region



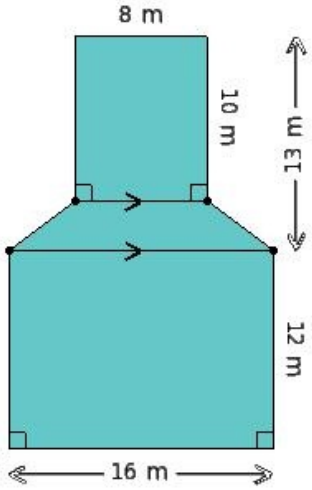
(i) 204.00 sq.cm (ii) 202.00 sq.cm (iii) 203.00 sq.cm (iv) 206.00 sq.cm (v) 205.00 sq.cm

29. Find the area of the shaded region



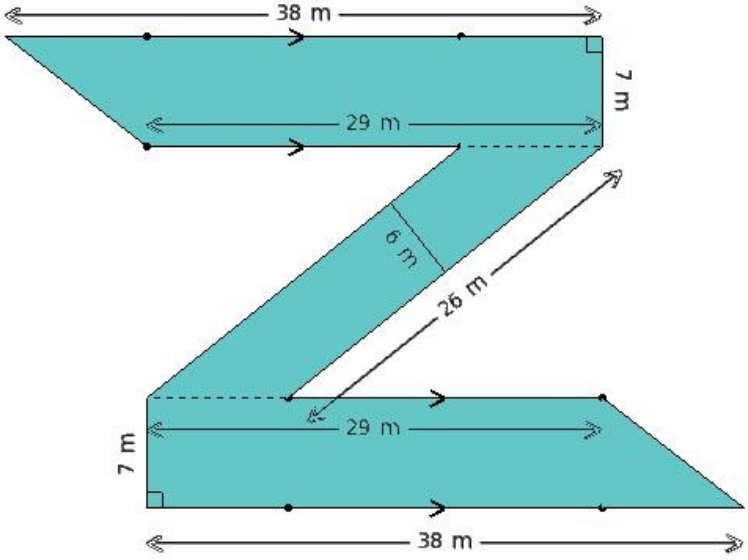
(i) 377.00 sq.cm (ii) 376.00 sq.cm (iii) 375.00 sq.cm (iv) 374.00 sq.cm (v) 378.00 sq.cm

30. Find the area of the shaded region



(i) 309.00 sq.m (ii) 306.00 sq.m (iii) 310.00 sq.m (iv) 308.00 sq.m (v) 307.00 sq.m

31. Find the area of the shaded region



(i) 623.00 sq.m (ii) 626.00 sq.m (iii) 624.00 sq.m (iv) 625.00 sq.m (v) 627.00 sq.m

Assignment Key

1) (ii)	2) (v)	3) (ii)	4) (v)	5) (i)	6) (v)
7) (v)	8) (v)	9) (ii)	10) (iii)	11) (v)	12) (iv)
13) (v)	14) (iii)	15) (iv)	16) (iii)	17) (v)	18) (ii)
19) (iii)	20) (iii)	21) (iv)	22) (v)	23) (i)	24) (v)
25) (iv)	26) (iv)	27) (ii)	28) (i)	29) (ii)	30) (iv)
31) (iv)					