

## UNIT 7 – PERIMETER, AREA AND VOLUME

1. Figure 1 shows a square of side 2 cm. What is the area of the shaded part of the square?

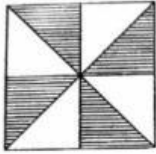


Figure 1

2. In Figure 2, Shape A has the same perimeter as Shape B. What is the perimeter of Shape B?

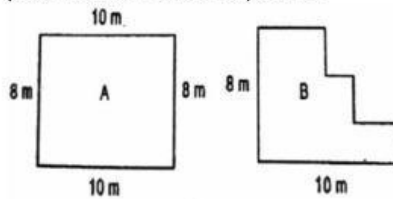


Figure 2

3. Find the area of the equilateral triangle ABC, in Figure 3.

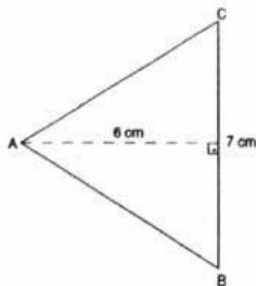


Figure 3

4. Find the area of the shaded shape of octagon in Figure 4.

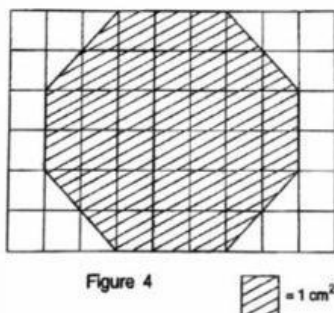


Figure 4

5. Find the area of the Figure 5. All the angles are right angles.

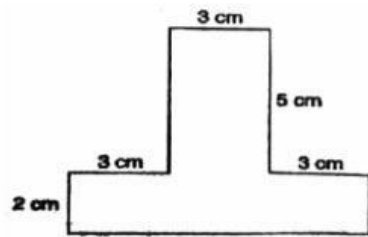


Figure 5

6. In Figure 6, ABCD is a parallelogram with an area of  $150 \text{ cm}^2$ . Its height AX is 10 cm. Find the length of its base BC.

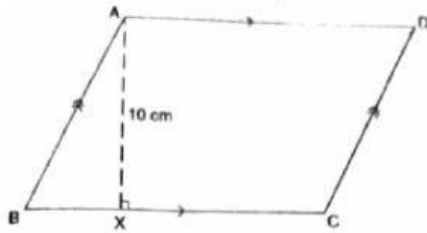


Figure 6

7. Calculate the area of the triangle ABC, where  $BC = 6 \text{ cm}$  and the height is 4 cm.

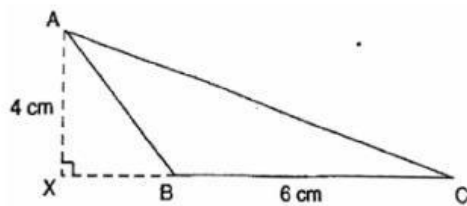


Figure 7

8. The figure below is a rectangle of area  $180 \text{ cm}^2$ . Its width is 12 cm. Calculate its length.

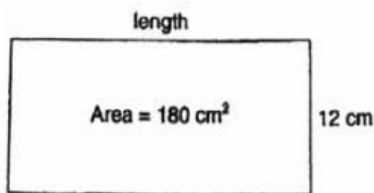


Figure 8

9. Find the perimeter of the following figure.

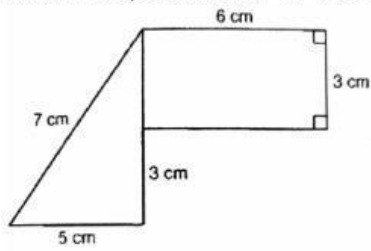


Figure 9

10. Find the perimeter of Figure 10.

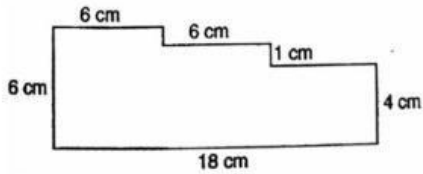


Figure 10

11. Figure 11 is made up of 1-cm squares. Find its perimeter.

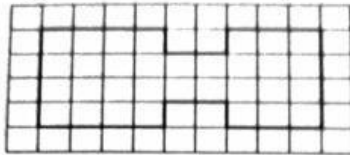


Figure 11

12. What is the area of Figure 12?

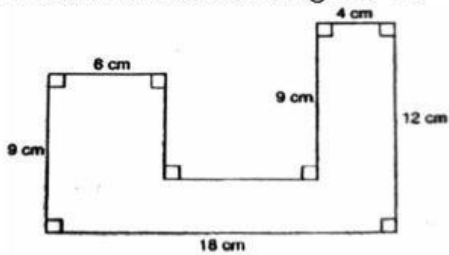


Figure 12

13. ABC is a right-angled triangle. Calculate the area of the triangle in Figure 13.

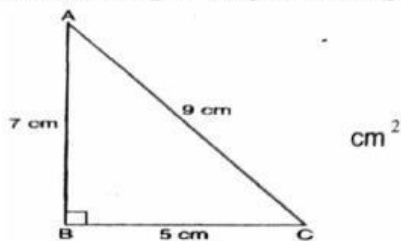


Figure 13

14. Find the volume of the cuboid of Figure 14.

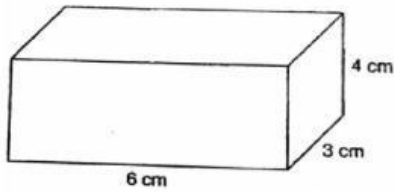


Figure 14

15. In Figure 15, ABCD is a parallelogram. The length is 12 cm and the height is 5 cm. Find the area of ABCD.

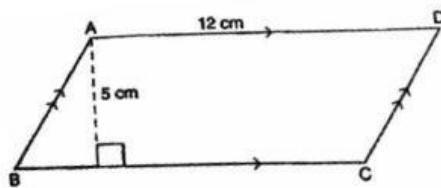


Figure 15

16. Find the perimeter of the shape in Figure 16.

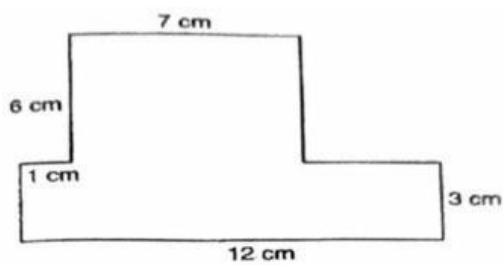


Figure 16

17. Calculate the area of the triangle in Figure 17.

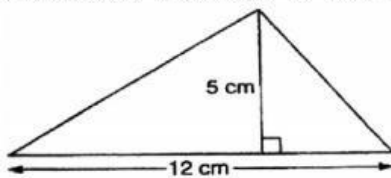


Figure 17

18. Find the area of the un-shaded part.

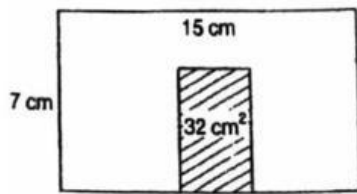


Figure 18

19. Name the shape marked 'A' in the figure below.

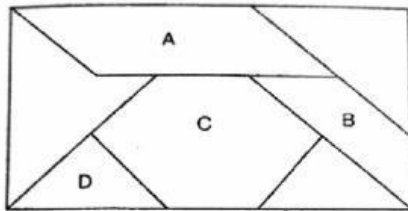


Figure 19

20. The volume of a solid cuboid is 192 cm<sup>3</sup>. If the height is 6 cm and the length is 8 cm. Find the width.

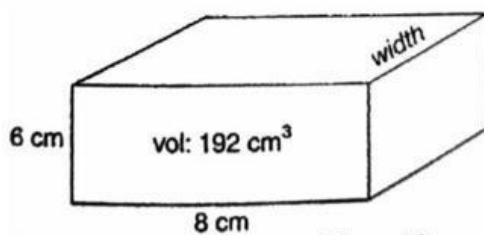


Figure 20

21. Find the area of Figure 21.

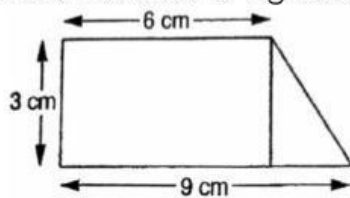


Figure 21

22. Calculate the volume of the rectangular block in Figure 22.

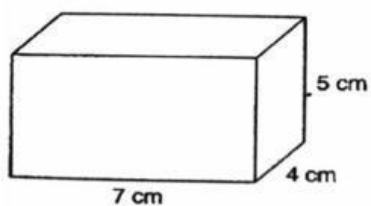


Figure 22

23. Complete the table in Figure 23.

Rectangle		Area	Perimeter
Length	Breadth		
4 cm	10 cm	_____ $\text{cm}^2$	28 cm
7 cm	_____ cm	49 $\text{cm}^2$	28 cm

24. Find the exact area of the shaded shape in Figure 24.

given  = 1  $\text{cm}^2$ .

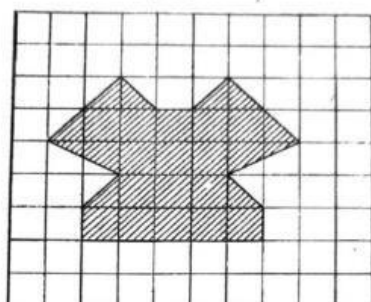


Figure 24

25. Find the perimeter of Figure 25.

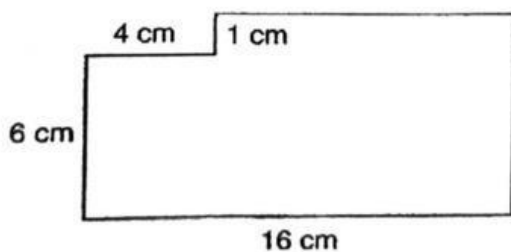


Figure 25