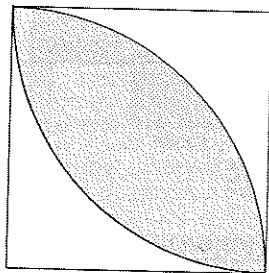


15. A rectangle has a length 3 cm greater than the width. If the perimeter is 34 cm, find the width and the length.

16. The height of a trapezium is 11 cm. Find the sum of its two parallel sides if its area is  $264 \text{ cm}^2$ . If the longer side is twice the shorter side, what is the length of the longer side?

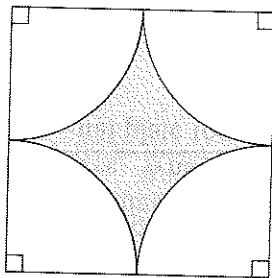
17. The diagram shows a square of side 7 cm with two quadrants drawn inside. Find the area of the shaded region.

$$\left(\text{Take } \pi = \frac{22}{7}\right)$$

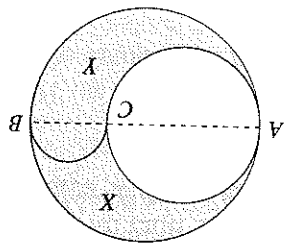


18. The diagram shows a square of side 14 cm with four quadrants drawn inside. Find the area of the shaded region.

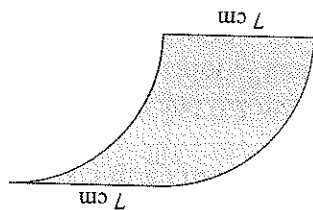
$$\left(\text{Take } \pi = \frac{22}{7}\right)$$



- \*19. The diagram shows that region X is bounded by three semicircular arcs whose lengths are in the ratio 1 : 2 : 3, and region Y is also bounded by three semicircular arcs. Find the ratio of the area of region X to that of region Y.



- \*20. The shaded shape is bounded by two line segments of length 7 cm each and two quarter circles of radius 7 cm each. Find the area of the shaded shape.



- \*21. ABCD is a parallelogram. AD = 15 cm, DE = 10 cm and DF = 12 cm. Find (a) the area, (b) the perimeter of the parallelogram.

