

Find the area of the following irregular shapes: —

Area of each small square = 1 cm^2



(a)



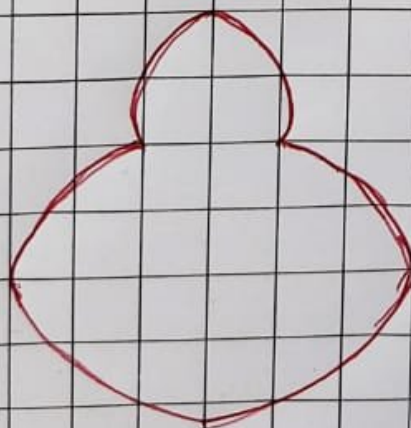
(b)



(c)



(d)



(e)

(a) No of full square = 6
 No of half square = 8
 No of square greater than half = 8
 No of square lesser than half = 2

$$\therefore \text{Area} = (6 \times 1 + 8 \times \frac{1}{2} + 8 \times 1 + 2 \times 0) \text{ cm}^2$$

$$= 6 + 4 + 8 + 0 \text{ cm}^2$$

$$= 18 \text{ cm}^2 \text{ (Approx)}$$

(b) No of full square = 4
 No of half square = 0
 No of square greater than half = 8
 No of square less than half = 8

$$\therefore \text{Area} = 4 \times 1 + 0 \times \frac{1}{2} + 8 \times 1 + 8 \times 0 \text{ cm}^2$$

$$= 4 + 0 + 8 + 0 \text{ cm}^2$$

$$= 12 \text{ cm}^2 \text{ (Approx)}$$

(c) No of full square = 4
 No of half square = 0
 No of square greater than half = 8
 No of square less than half = 4

$$\therefore \text{Area} = 4 \times 1 + 0 \times \frac{1}{2} + 8 \times 1 + 4 \times 0 \text{ cm}^2$$

$$= 4 + 0 + 8 + 0 \text{ cm}^2$$

$$= 12 \text{ cm}^2 \text{ (Approx)}$$

(d) No of full square = 4
 No of half square = 8
 No of square greater than half = 2
 No of square less than half = 2

$$\therefore \text{Area} = 4 \times 1 + 8 \times \frac{1}{2} + 2 \times 1 + 2 \times 0 \text{ cm}^2$$

$$= 4 + 4 + 2 + 0 \text{ cm}^2$$

$$= 10 \text{ cm}^2 \text{ (Approx)}$$

(e) No of Full Square = 14
 No of half square = 2
 No of square greater than half = 8
 No of square less than half = 8

$$\therefore \text{Area} = 14 \times 1 + 2 \times \frac{1}{2} + 8 \times 1 + 8 \times 0 \text{ cm}^2$$

$$= 14 + 1 + 8 + 0 \text{ cm}^2$$

$$= 23 \text{ cm}^2 \text{ (Approx)}$$