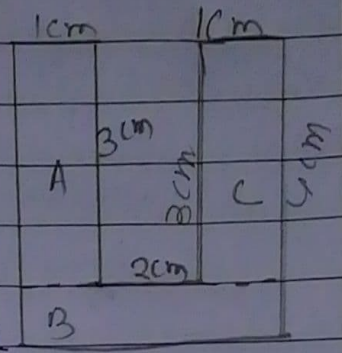


D. Find the area by dividing the figure into rectangles and squares.

Ans: The given figure is divided into three rectangles



So the area of the given figure  
 = Area of rectangle A + Area of rectangle B + Area of rectangle C

Area of rectangle A

Length of rectangle A = 3cm

Breadth of rectangle A = 1cm

$$\begin{aligned} \text{Area of rectangle A} &= \text{Length} \times \text{breadth} \\ &= 3\text{cm} \times 1\text{cm} \\ &= 3\text{sq cm} \end{aligned}$$

Area of rectangle B

Length of rectangle = 4cm

Breadth of rectangle = 1cm

$$\begin{aligned} \text{Area of rectangle B} &= \text{Length} \times \text{breadth} \\ &= 4\text{cm} \times 1\text{cm} \\ &= 4\text{sq cm} \end{aligned}$$

Area of rectangle C

Length of rectangle C = 3cm

Breadth of rectangle C = 1cm

$$\begin{aligned} \text{Area of rectangle C} &= \text{Length} \times \text{Breadth} \\ &= 3\text{cm} \times 1\text{cm} = 3\text{sq cm} \end{aligned}$$

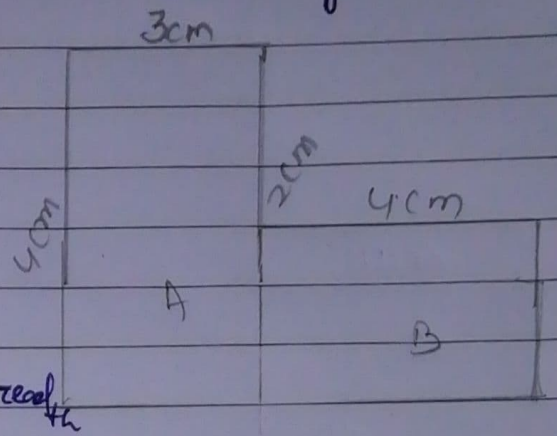
Area of the given figure =  $35\text{sq cm} + 35\text{sq cm} + 45\text{sq cm}$   
 $= 105\text{sq cm}$

Ans. The required area of the given figure is  $105\text{sq cm}$ .

2. The given figure is divided into two rectangles. So the area of the figure = Area of rectangle A + Area of rectangle B.

Area of rectangle A

Length of rectangle A =  $4\text{cm}$   
 Breadth of rectangle A =  $3\text{cm}$   
 Area of rectangle A = Length  $\times$  Breadth



$= 4\text{cm} \times 3\text{cm} = 12\text{sq cm}$

Area of rectangle B

Length of rectangle B =  $4\text{cm}$   
 Breadth of rectangle B =  $2\text{cm}$   
 Area of rectangle B = Length  $\times$  Breadth  
 $= 4\text{cm} \times 2\text{cm}$   
 $= 8\text{sq cm}$

Area of the given figure =  $12\text{sq cm} + 8\text{sq cm}$   
 $= 20\text{sq cm}$

Ans. The required area of the given figure is  $20\text{sq cm}$ .