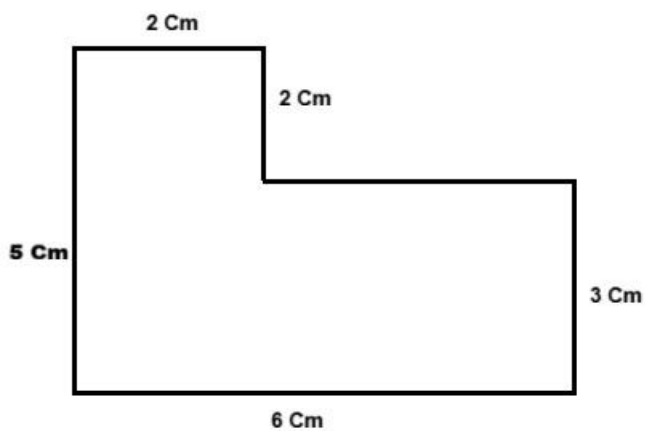
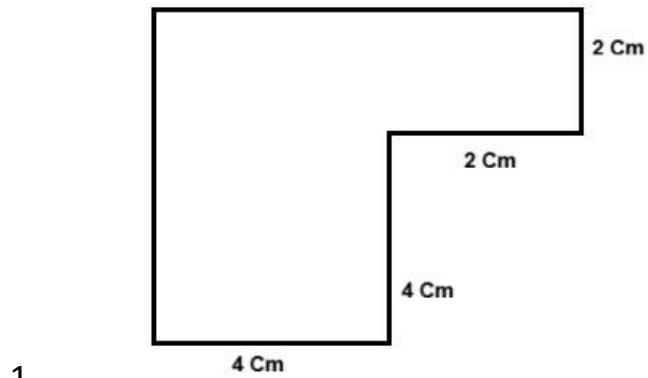


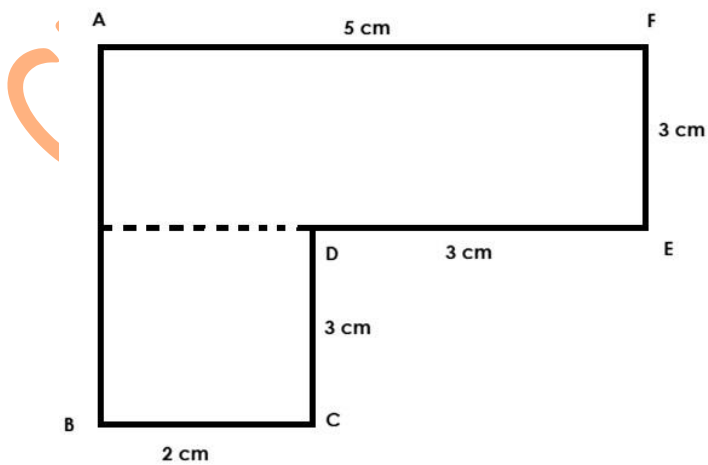
Class 5 Maths

Perimeter & Area of Irregular Shapes

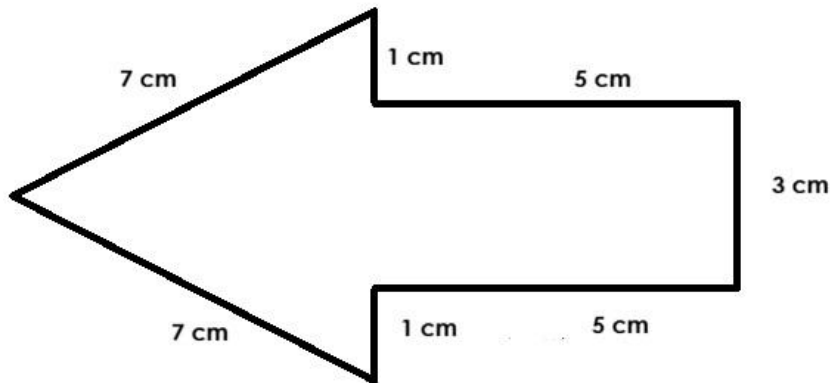
Find the area of the following irregular figures



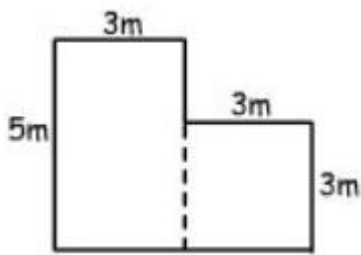
3. Find the length of the missing side AB and find the area.



4. Find the perimeter of the irregular figure.



5. Calculate the total area of this irregular shapes.



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Answers/Solutions**1. Step 1: Break the shape into two rectangles**

The shape can be divided into:

Rectangle A (bottom part)

Length = 4 cm

Height = 4 cm

Area = 4×4

= **16 cm²**

Rectangle B (top part)

Height = 2 cm

Total top length = bottom length + extra part

= 4 cm + 2 cm

= **6 cm**

Area = 6×2

= **12 cm²**

Step 2: Add the areas

Total Area

= 16 + 12

= **28 cm²**

2. Step 1: Divide into two rectangles**Rectangle A (bottom large part)**

Length = 6 cm

Height = 3 cm

Area = 6×3

= **18 cm²**

Rectangle B (top left part)

Height = Total height – lower height

= 5 – 3

= **2 cm**

Length = **2 cm**

$$\begin{aligned}\text{Area} &= 2 \times 2 \\ &= 4 \text{ cm}^2\end{aligned}$$

Step 2: Add areas

$$\begin{aligned}\text{Total Area} \\ &= 18 + 4 \\ &= 22 \text{ cm}^2\end{aligned}$$

3. Step 1: Find the length of the missing side

$$\begin{aligned}\text{AB} &= \text{DC} + \text{FE} \\ &= 3 \text{ cm} + 3 \text{ cm} = 6 \text{ cm}\end{aligned}$$

Step 2: Divide into two rectangles**Rectangle A (top part)**

$$\begin{aligned}\text{Length} &= 5 \text{ cm} \\ \text{Height} &= 3 \text{ cm}\end{aligned}$$

$$\begin{aligned}\text{Area} &= 5 \times 3 \\ &= 15 \text{ cm}^2\end{aligned}$$

Rectangle B (bottom part)

$$\begin{aligned}\text{Length} &= 3 \text{ cm} \\ \text{Height} &= 2 \text{ cm}\end{aligned}$$

$$\begin{aligned}\text{Area} &= 3 \times 2 \\ &= 6 \text{ cm}^2\end{aligned}$$

Step 3: Add the areas

$$\begin{aligned}\text{Total Area} \\ &= 15 + 6 \\ &= 21 \text{ cm}^2\end{aligned}$$

4. Perimeter = sum of length of all the sides
 $= 7+7+1+1+5+5+3 = 29 \text{ cm}$

5. Step 1: Divide into two rectangles**Rectangle A (right part)**

Length = 5 cm

Height = 3 cm

Area = 5×3 **= 15 cm²****Rectangle B (left part)**

Length = 3 cm

Height = 3 cm

Area = 3×3 **= 9 cm²****Step 2: Add the areas**

Total Area

= $15 + 9$ **= 24 cm²**

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