

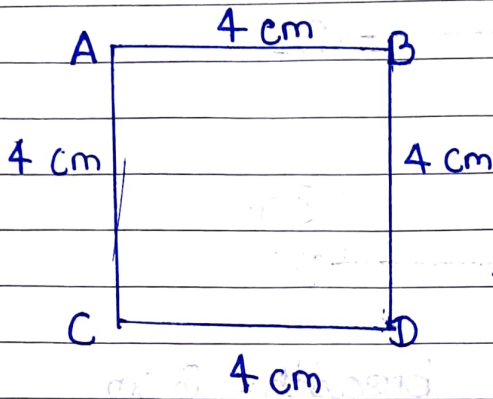
Ch- 14

(Perimeter and area)

CW
classmate

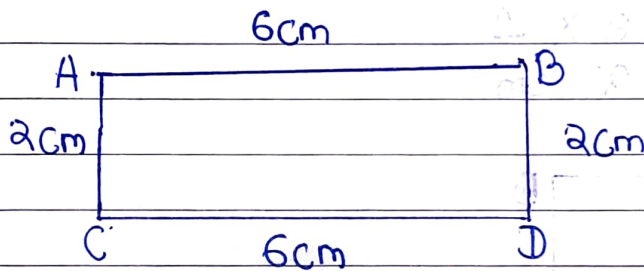
Date 30-11-21
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→ ∴ Perimeter of a square = 4 × length of one side.



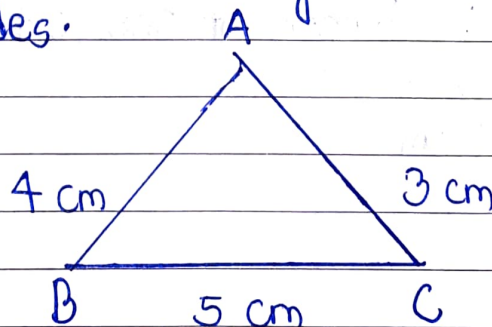
$$4 \times 4 = 16 \text{ cm}^2$$

Perimeter of rectangle = 2 × (length + breadth)



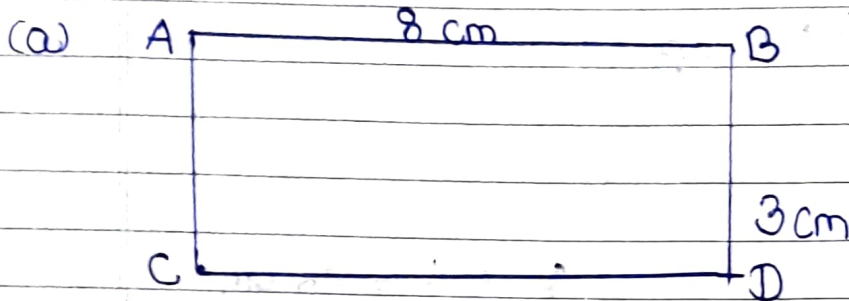
$$\begin{aligned} \text{Perimeter} &= 2 \times (\text{length} + \text{breadth}) \\ &= 2 \times (6 + 2) \\ &= 2 \times 8 \\ &= 16 \text{ cm} \end{aligned}$$

Perimeter of a triangle = Sum of length of all three sides.



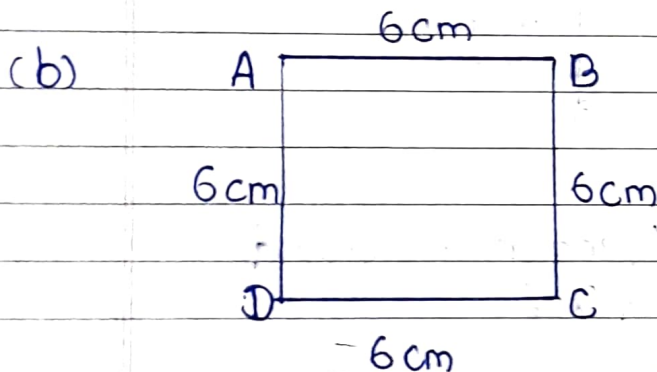
$$\begin{aligned} \text{Perimeter} &= AB + BC + CA \\ &= 4 + 5 + 3 \\ &= 12 \text{ cm} \end{aligned}$$

(1) Find the perimeter of the figures :-



Length = 8 cm, breadth = 3 cm

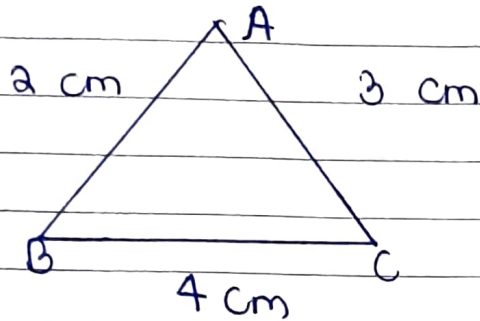
$$\begin{aligned} \text{Perimeter} &= 2 \times (\text{length} + \text{breadth}) \\ \text{of a} &= 2 \times (8 + 3) \\ \text{rectangle} &= 2 \times 11 \\ &= 22 \text{ cm} \end{aligned}$$



Length of one side = 6 cm

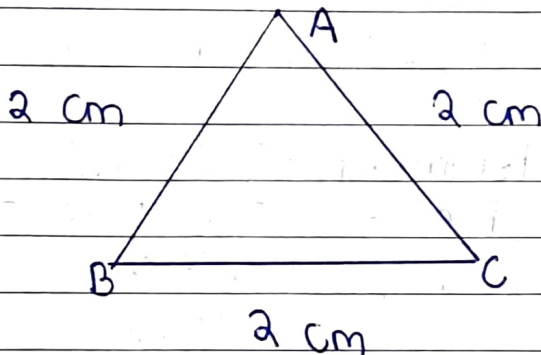
$$\begin{aligned} \text{Perimeter} &= 4 \times \text{length of one side} \\ \text{of a} &= 4 \times 6 \\ \text{square} &= 24 \text{ cm} \end{aligned}$$

(c)



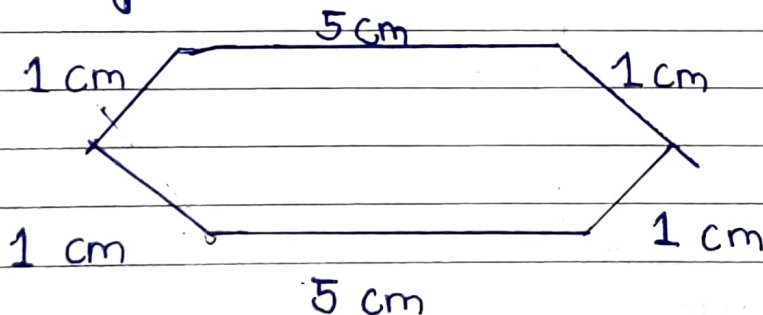
$$\begin{aligned} \text{Perimeter} &= AB + BC + CA \\ \text{of a} &= 2 + 4 + 3 = \\ \text{triangle} &= 9 \text{ cm} \end{aligned}$$

HW(d)



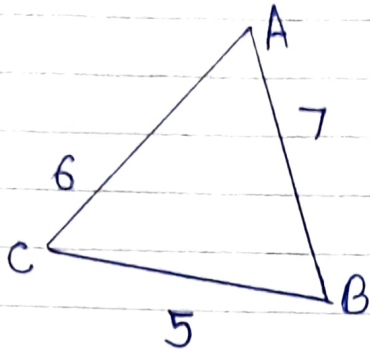
$$\begin{aligned} \text{Perimeter} &= AB + BC + CA \\ \text{of a} &= 2 + 2 + 2 \\ \text{triangle} &= 6 \text{ cm} \end{aligned}$$

(e)



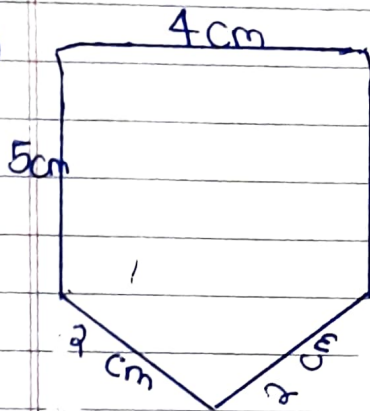
$$\begin{aligned} \text{Length} &= 5 \text{ cm}, \text{ breadth} = 1 \text{ cm} + 1 \text{ cm} = 2 \text{ cm} \\ \text{Perimeter} &= 2 \times (\text{length} + \text{breadth}) \\ \text{of rectangle} &= 2 \times (5 + 2) \\ &= 2 \times 7 \\ &= 14 \text{ cm} \end{aligned}$$

(f)



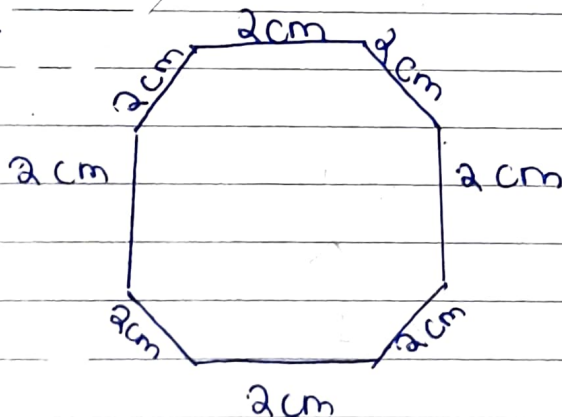
$$\begin{aligned} \text{Perimeter} &= AB + BC + CA \\ \text{of a triangle} &= 6 + 7 + 5 \\ &= 18 \text{ cm} \end{aligned}$$

(g)



$$\text{Length} = 4 \text{ cm}, \text{ breadth} = 5 \text{ cm}$$

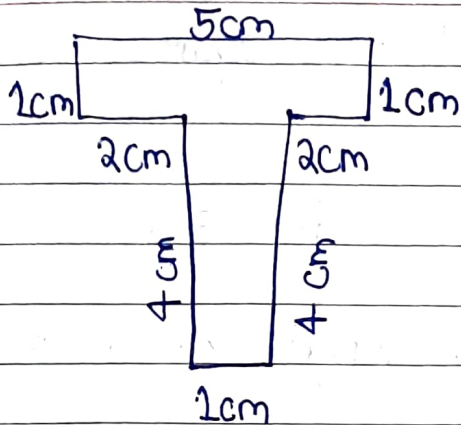
$$\begin{aligned} \text{Perimeter} &= 2 \times (\text{length} + \text{breadth}) \\ \text{of a rectangle} &= 2 \times (4 + 5) \\ &= 2 \times 9 \\ &= 18 \text{ cm} \end{aligned}$$



$$\text{Length of one side} = 2 \text{ cm}$$

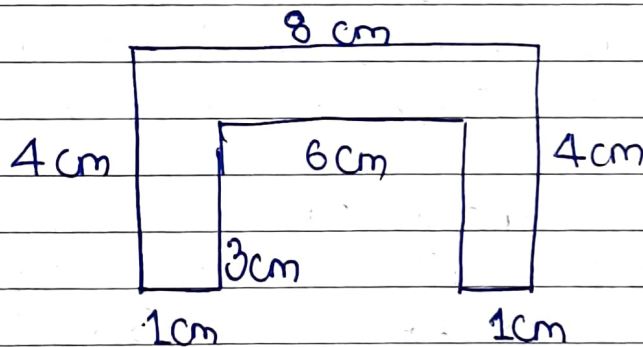
$$\begin{aligned} \text{Perimeter} &= 4 \times \text{length of one side} \\ \text{of a square} &= 4 \times 4 \\ &= 16 \text{ cm} \end{aligned}$$

(j)



Length = 5 cm , Breadth = 5 cm

$$\begin{aligned}
 \text{Perimeter of a rectangle} &= 2 \times (\text{length} + \text{breadth}) \\
 &= 2 \times (5 + 5) \\
 &= 2 \times 10 \\
 &= 20 \text{ cm}
 \end{aligned}$$



Length = 8 cm , Breadth = 7 cm

$$\begin{aligned}
 \text{Perimeter of a rectangle} &= 2 \times (\text{length} + \text{breadth}) \\
 &= 2 \times (8 + 7) \\
 &= 2 \times 15 \\
 &= 30 \text{ cm}
 \end{aligned}$$