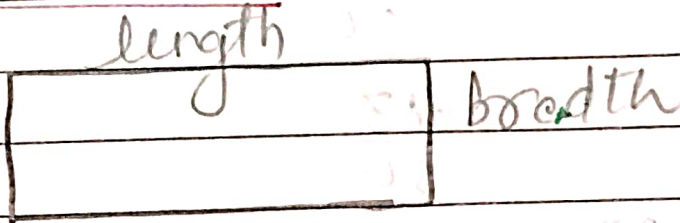


Topic :- Perimeter and Area.

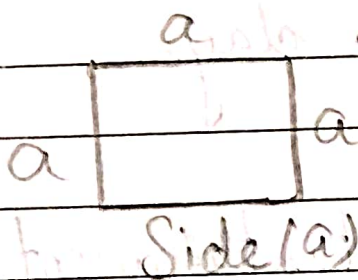
Sub-topic :- length, breadth, perimeter, Area.

Class Work :-



$$\text{Perimeter} = 2(l + b)$$

$$\text{Area} = l \times b$$

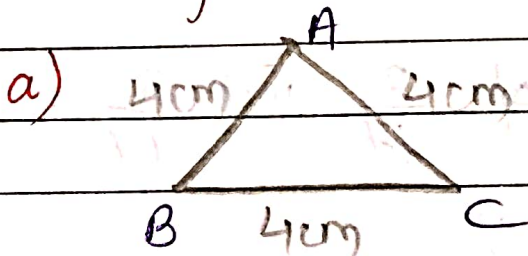


$$\text{Perimeter} = 4 \times \text{Side}$$

$$\text{Area} = \text{Side} \times \text{Side}$$

Ex - 12 A

(1) find the perimeter of :-



$$\text{Perimeter} = AB + BC + CA$$

$$= 4\text{cm} + 4\text{cm} + 4\text{cm}$$

$$= 12\text{cm}$$

b, c, d, e, f $\rightarrow$ solved by students.

Classwork :- Ex - 12A

② Find 8cm.

Solⁿ:- Side of Square = 8cm
Perimeter of Square = $4 \times \text{side}$
 $= 4 \times 8 \text{ cm}$
 $= 32 \text{ cm}.$

③ Find the 12cm.

Solⁿ:- Perimeter of rectangle = 60cm
breadth = 12cm
length = ?

$$\text{Perimeter of rectangle} = 2(l+b)$$

$$60 \text{ cm} = 2(l+12 \text{ cm})$$

$$\frac{60}{2} = l+12$$

$$30 = l+12$$

$$l = 30 - 12 = 18 \text{ cm}$$

$$\therefore \text{length} = 18 \text{ cm}.$$

④ A star perimeter.

Solⁿ:- Total no. of sides = 10
Length of each side = 4cm.

$$\text{Perimeter} = 4 \times 10 = 40 \text{ cm}.$$

⑤ The perimeter of it ?

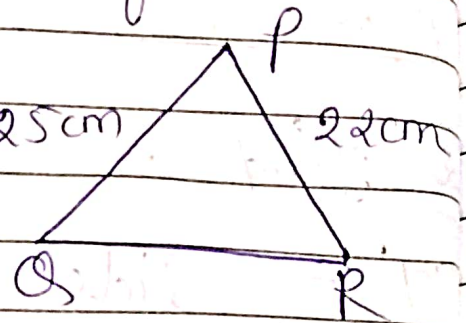
solⁿ:-

Perimeter of triangle = 65cm

Sides = PR = 22cm

PQ = 25cm

QR = ?



Perimeter of triangle $\triangle PQR$ = PR + PQ + QR

$$65\text{cm} = 22 + 25 + QR$$

$$65 = 47 + QR$$

$$QR = 65 - 47 = 18\text{cm}$$

$\therefore$ The third side of triangle is 18cm.

Classwork :- Ex - 12 B

① fill in the missing measurement :-

a) $L = 8$, $B = 6$
Area = ?

Area of rectangle = $l \times b$
 $= 8 \times 6 = 48 \text{ sq. cm}$

b) $L = ?$, $B = 15 \text{ cm}$, Area = 240 sq. cm

Length = $\frac{\text{Area of rectangle}}{\text{Breadth}}$

length = $\frac{240}{15} = 16 \text{ cm}$

c, d, e - solved by students.

② find area of square whose side is -

a) 8 cm
Area of square = Side $\times$ Side
 $= 8 \times 8 = 64 \text{ sq. cm}$

b, c, d - solved by students.