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CLASS – 5

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SUB- MATHS

C. T – PRAGYA

BASED ON N.C.E.R.T PATTERN

CH - Perimeter and Area

FIND THE LENGTH AND BREADTH :

- FORMULA :

Since, Area of a rectangle = Length \times Breadth

AND , LENGTH = AREA / BREADTH

BREADTH = AREA / LENGTH

- EXAMPLE : 1. Find the length of a rectangle

If it's area = 60 m² and it's Breadth = 6cm .

Solution = Area = 60 cm² , Breadth = 6cm

Length = Area / Breadth = 60 cm² / 6cm

= 10cm Ans

EXAMPLE : 2. Find the Breadth of a rectangle if

It's Area = 65 cm² and it's length = 13 cm

Solution , Area = 65 cm² , Length = 13 cm

Breadth = Area \div Length = 65 cm² \div 13 cm

$$= 5\text{cm Ans .}$$

EXAMPLE 3 : The Perimeter of a square is 12 cm.

Find its Area.

Solution : To find Area we need the side of the square .

$$\begin{aligned}\text{Side of the square} &= \text{Perimeter} \div 4 \\ &= 12\text{cm} \div 4 = 3\text{cm}\end{aligned}$$

$$\begin{aligned}\text{Now , Area} &= \text{side} \times \text{side} \\ &= 3\text{cm} \times 3\text{cm} \\ &= 9\text{cm}^2\end{aligned}$$

- see example and solve EX – 19 C .
