

新聞記名を示して、 **Department Of Education (S)** Government of Manipur

Chapter 10

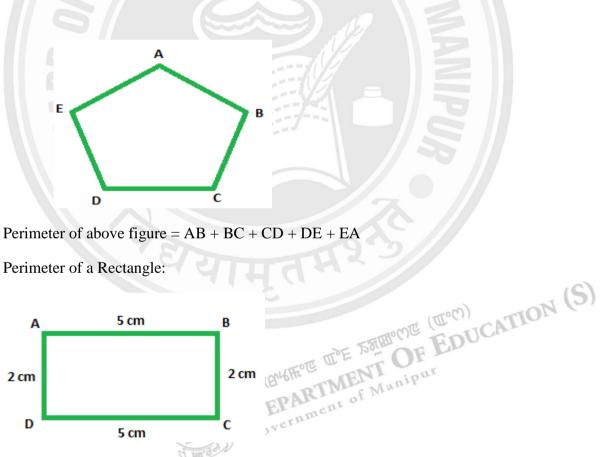
Mensuration

Mensuration:

Mensuration is the branch of mathematics that deals with the measurement of length, area or volume of various geometric shapes.

Perimeter:

Perimeter is the total length or total distance covered along the boundary of a closed shape.



Perimeter of the above rectangle = AB + BC + CD + DA

 $= AB + BC + AB + BC \quad (Since AB = CD and BC = DA)$ = 2 x AB + 2 x BC= 2 x (AB + BC)= 2 x (5 cm + 2 cm)

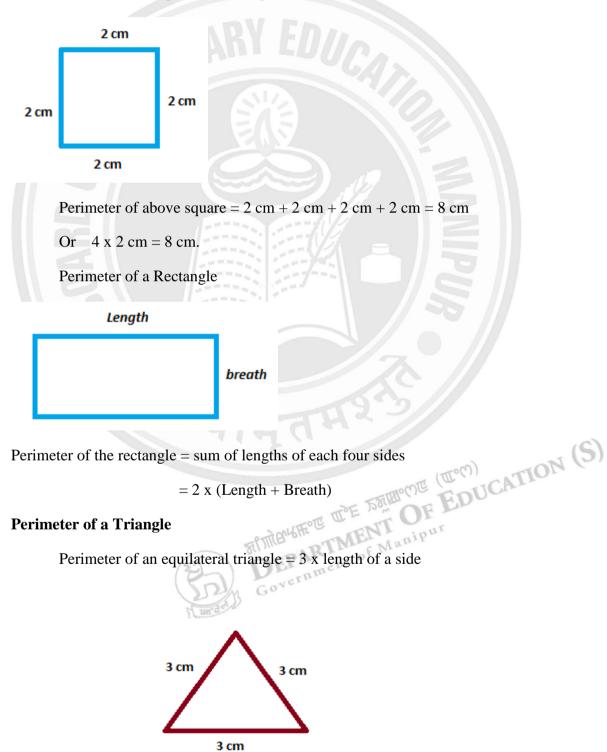
 $= 2 \times 7 cm$

= 14 cm

Perimeter of regular shapes:

Perimeter of Square:

Perimeter of a Square $= 4 \times \text{length of a side}$



Perimeter of the above equilateral triangle = 3 + 3 + 3 cm

 $= 3 \times 3 \text{ cm} = 9 \text{ cm}$

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Government of Manipur

Area

The total amount of surface enclosed by a closed figure is called its area.

Area of square = side x side = side²

Area of rectangle = length x breath

Area of triangle = $\frac{1}{2}$ x base x height.