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Daksh Method to Find Length and Area of the Rectangle

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ABSTRACT:

In Daksh method we can find the length of rectangle by using the diagonal and height of the rectangle . this is the new method of finding length of rectangle . it will mainly used in our real life and study purposes . it is effective method to find the length and also easiest method too . let we see the detail about rectangle and diagonal of rectangle and how to apply it .

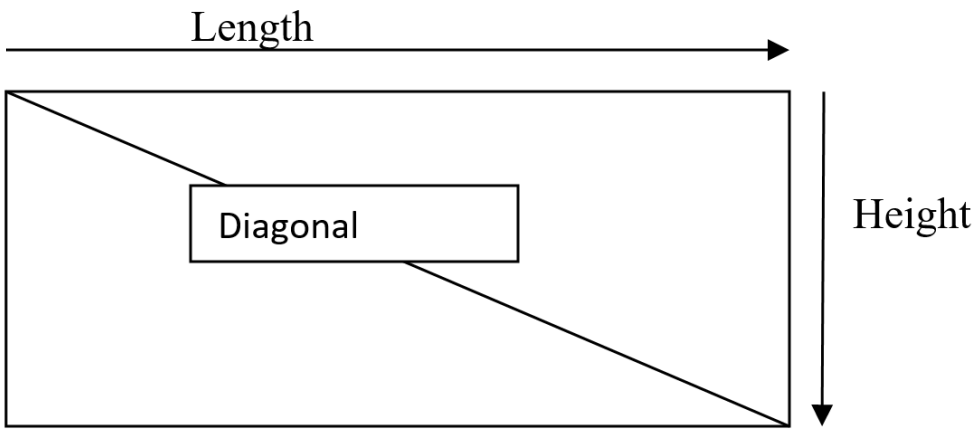
Key words : concept of rectangle , conclusion , result.

Introduction :

The name of author is the Dhakshna moorthy . D mechanical department in saveetha institute of medical and technical science chennai 602 105 . lets start about " Daksh" method . commonly we find the length of rectangle by using height and area of rectangle given . but in this Dhaksh method we don't need to area by using diagonal we can find the length and after area .

Concept of rectangle :

Rectangle is a four side shape . two same side length and two same side height . always rectangle is not same side . it is also basic shape .

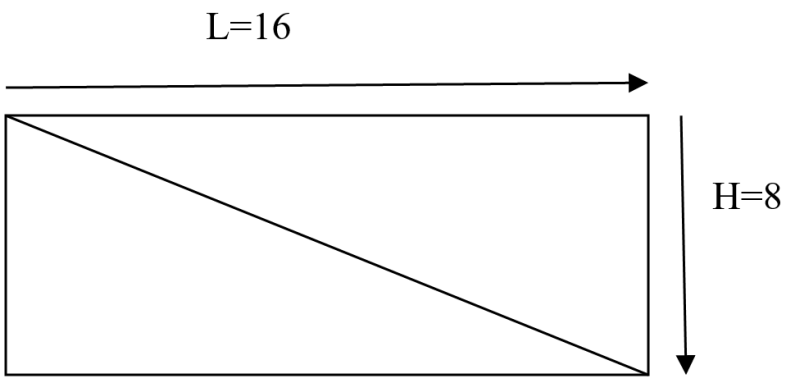


L = length

H = height

Middle line is called diagonal of rectangle .

Common method to find the length of rectangle :



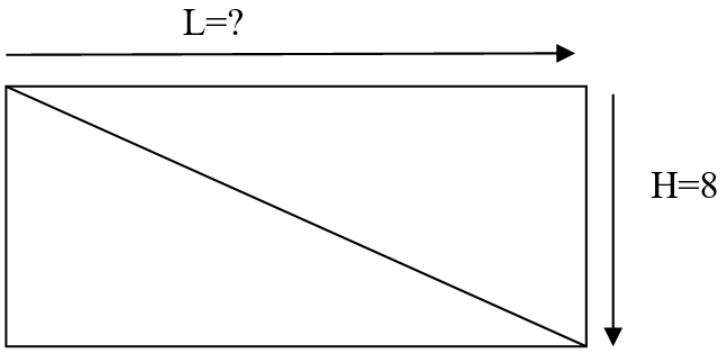
For finding the area the common formula is Area=length * height

A=L*H

Area=16*8

Area=128 m ^3

To find the length of rectangle by using area given :



Given Area = 128 m^3

To find length : A=L*H

A=128

H=8

L=?

128=L*8

128/8=L

L=16

How to find diagonal of rectangle :

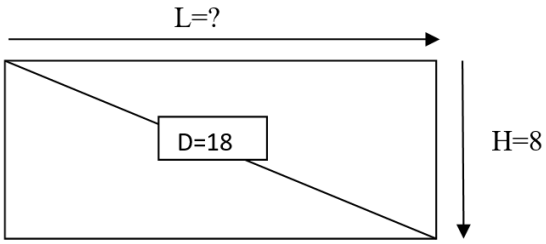
It is D= $\sqrt{L^2+H^2}$

D= $\sqrt{256+64}$

D= 18

Now we found that length of rectangle is 16

*If without area we can find the length of rectangle through Daksh method



Step 1: we need to take root of H .

Step 2: subtract H “height” from D “ diagonal” .

Step 3: we get length and by using area formula can find A

Step 1 :

Root of H : $\sqrt{8}$

H=2

Step 2:

L=D-H

L=18-2

L=16

Step 3:

H=8

L=16

A=H*L

A=128 m^3

Conclusion :

The easy method to find length of rectangle without area of rectangle .

Result :

Thus we find the area and length of the rectangle by using diagonal value . it is one of the simplest method to find . this method is not exist before .