**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 .

**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 .

**Key words :** concept of rectangle , conclusion , result.

**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 .

 Length

Diagonal

 Height

L = length

H = height

Middle line is called diagonal of rectangle .

Common method to find the length of rectangle :

 L=16

 H=8

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 :

 L=?

 H=8

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= L^2+H^2

D= 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

 L=?

D=18

H=8

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 : 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 .

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