08/01/2021

Area of Triangles

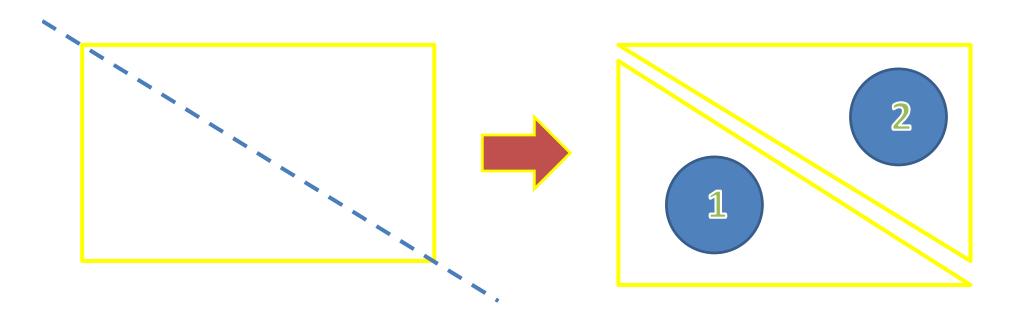
Learning Objectives:

Able to calculate the area of a rectangle

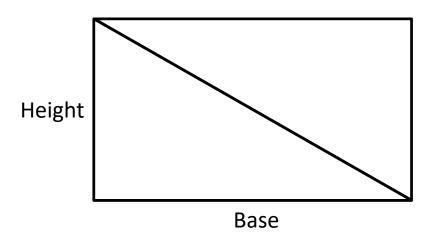
Able to calculate the area of a triangle

Able to calculate the area of a compound shape

Get a rectangular piece of paper and cut it diagonally as shown below.

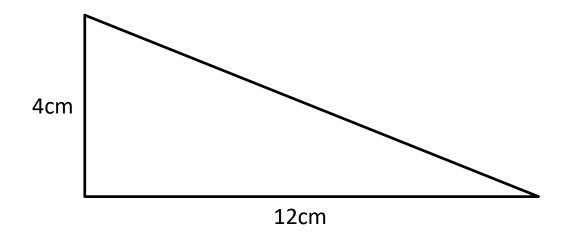


You will obtain two triangles with each triangle having half the area of the rectangle.



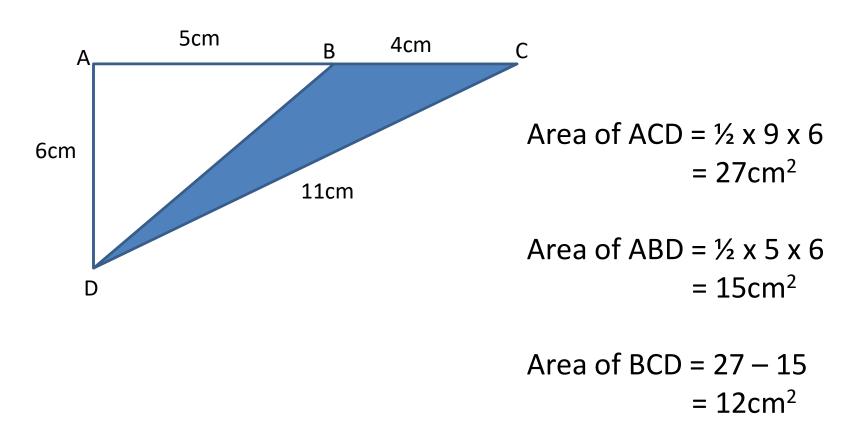
Area of a triangle = ½ x area of rectangle
= ½ x base x height
= ½bh

Calculate the area of this triangle.



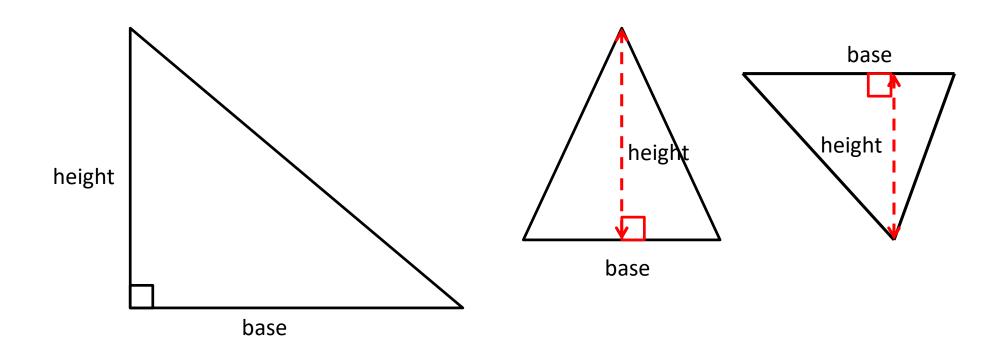
Area =
$$\frac{1}{2}$$
 x 4 x 12
= $\frac{24}{12}$ cm²

Find the area of the shaded triangle BCD.

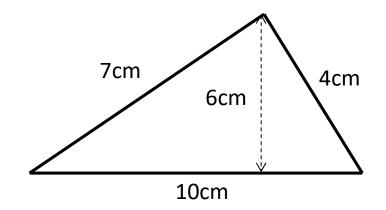


Area = base x height2

The **perpendicular** height



Find the area of the following triangle.



Area =
$$\frac{1}{2}$$
 x 10 x 6 = 30 cm²

8m

