Area of Triangle

The **area of a triangle** is the region bounded by the parallelogram in a given twodimension space.

Basically, it is equal to half of the base times height, i.e., $\mathbf{A} = \mathbf{1/2} \times \mathbf{b} \times \mathbf{h}$. Hence, to find the area of a tri-sided polygon, we have to know the base (b) and height (h) of it.



Let us understand with an Example:

Example: What is the area of a triangle with base b = 5 cm and height h = 4 cm?

Solution: Using the formula,

Area of a Triangle, $A = 1/2 \times b \times h$

- $= 1/2 \times 5 (cm) \times 4 (cm)$
- = 5 (cm) × 2 (cm)
- $= 10 \text{ cm}^2$