

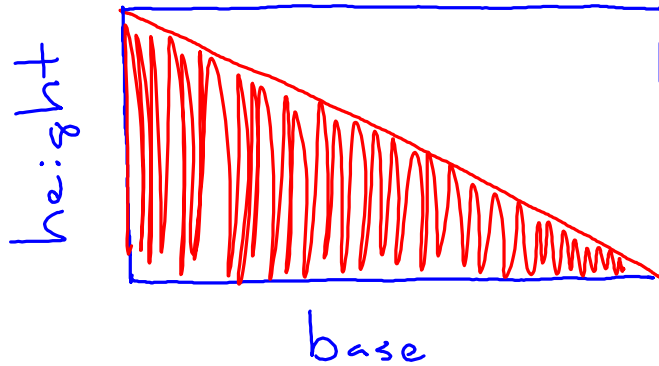
08 SEP 10

- SCAN YOUR HOMEWORK
- ARITHMETIC / ALGEBRA PRACTICE
- LECTURE : AREA OF TRIANGLES
- PRACTICE : TRIANGLE AREA
- HOMEWORK

★ end of page

AREA OF A TRIANGLE

derived from the area of a rectangle.



RECTANGLE: $A = \text{base} \times \text{height}$

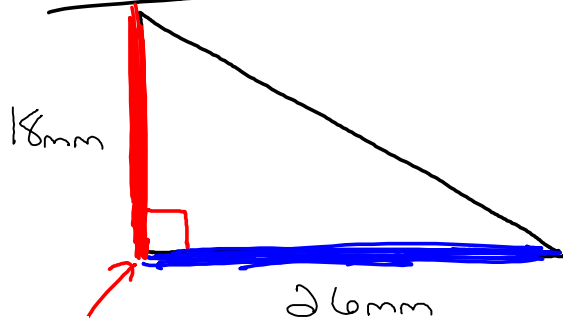
then, cut the rectangle into 2 halves

$$\begin{aligned} \text{TRIANGLE: } A &= (\text{area of the rectangle}) \div 2 \\ &= \boxed{\text{base} \times \text{height} \div 2} \end{aligned}$$

Sometimes, area of a triangle
is written as: $A = \frac{1}{2} b h$

multiplying by $\frac{1}{2}$ is the same as
dividing by 2.

example 1



this is a
right angle
 90°

base 
height 

$$A = \text{base} \times \text{height} \div 2$$

$$A = 26\text{mm} \times 18\text{mm} \div 2$$

$$A = 234 \text{ mm}^2$$

example 2

