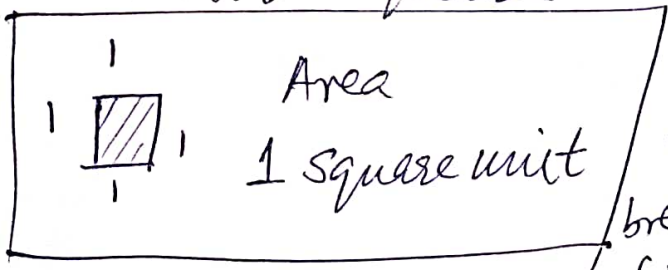
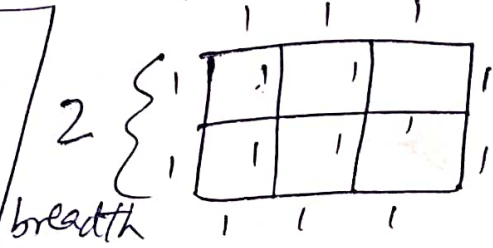


AREAS + AP  
Unit Square



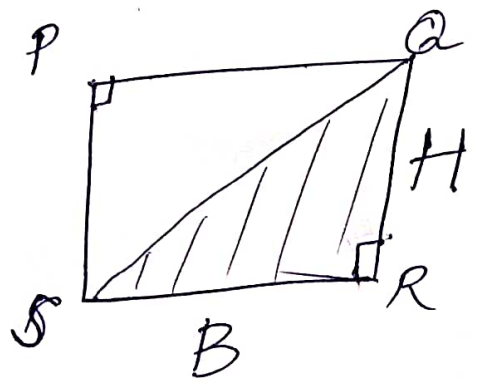
3 = Length (L)



6 Squares each of area 1 sq unit

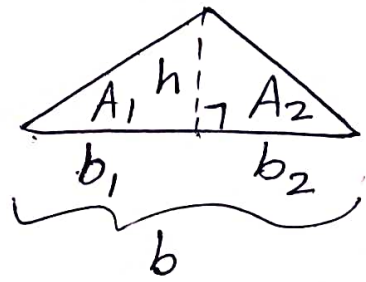
(A) Total area = 6 Sq unit  
RECTANGLE =  $2 \times 3$  sq unit

$$A = B \times L$$



$$\text{Area of } \Delta QRS = \frac{1}{2} \times \text{Area of } \square PQRS = \frac{B \times H}{2}$$

Area of Scalene Triangle

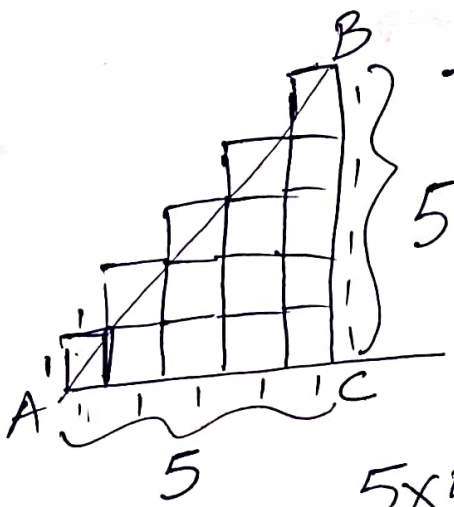


$$A = A_1 + A_2$$

$$= \frac{b_1 \times h}{2} + \frac{b_2 \times h}{2}$$

$$\text{Area} = \frac{b \times h}{2}$$

$$A = \frac{(b_1 + b_2) \times h}{2}$$



Total Area = No. of unit squares  
=  $1 + 2 + 3 + 4 + 5$

$$\Rightarrow \left(\frac{5+1}{2}\right) \times 5 = 1+2+3+4+5$$

$$\text{Area of } \Delta ABC = \frac{5 \times 5}{2}$$

half square triangles  
 $\downarrow$   
 $\frac{5 \times 1}{2}$

$$\Rightarrow 1+2+3+\dots+n = \frac{n \times (n+1)}{2}$$