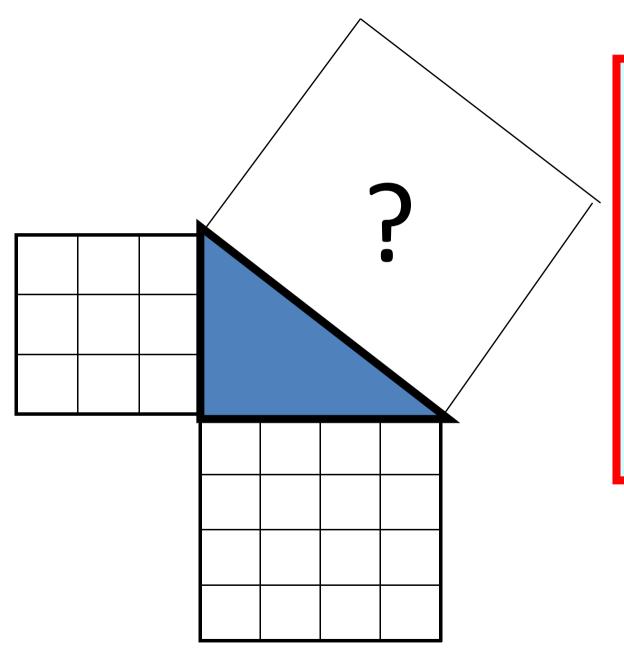
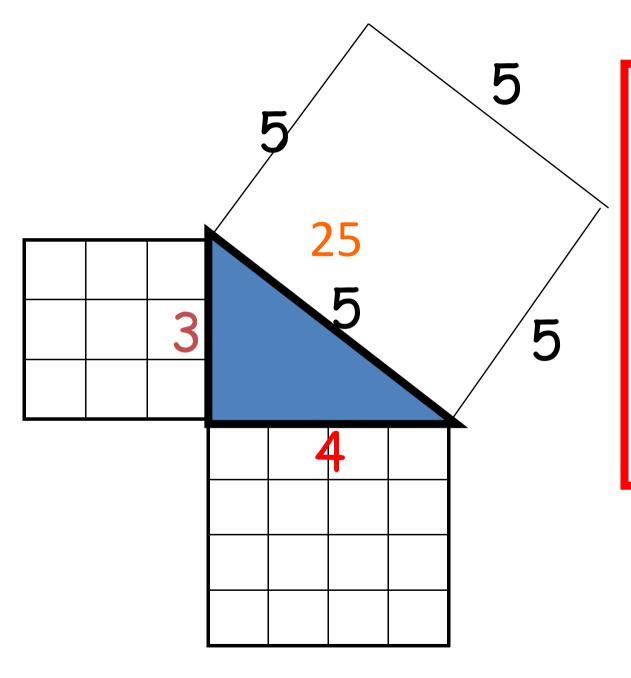
## Pythagoras' Theorem



Draw a right angle triangle with one side 3 squares long and the other 4 then investigate the area of the big square



The area of the big square is 25.

$$5^2 = 3^2 + 4^2$$

## $H^2 = x^2 + y^2$

Where H = the Hypotenuse x and y = the 2 smaller sides

## Hypotenuse

- The longest side of a right angled triangle
- Always opposite the right angle

