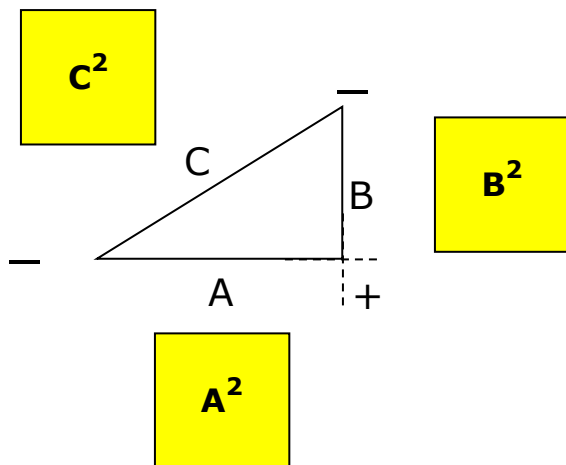


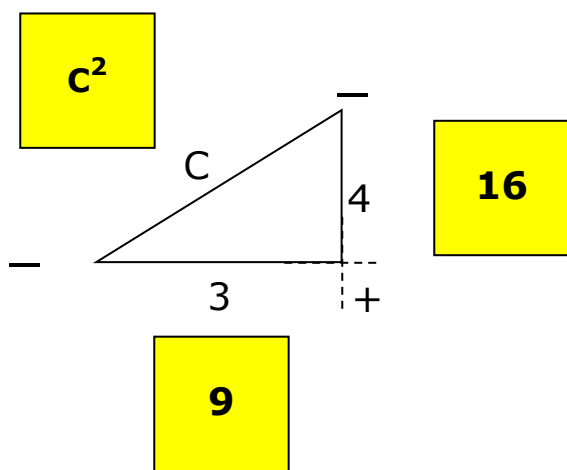
A TRIANGLE VISUAL OF THE PYTHAGOREAN THEOREM



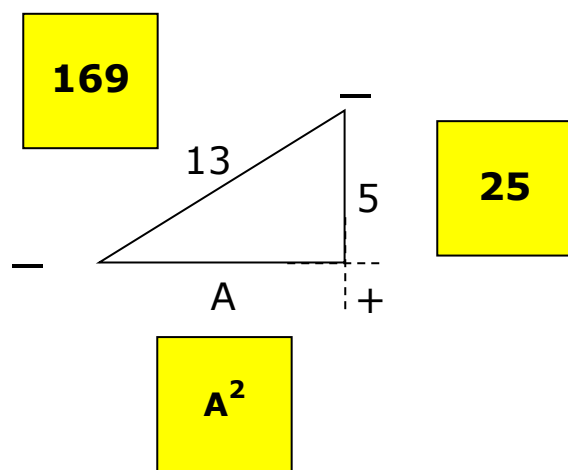
Square each side and write the answer in a square out from the appropriate side.

The numbers in the squares for each leg add to the number in the square for the longest side.

Here are some examples showing how you can use this shortcut to find a missing side.



$$\begin{aligned} 9 + 16 &= C^2 \\ 25 &= C^2 \\ 5 &= C \end{aligned}$$



$$\begin{aligned} 169 - 25 &= A^2 \\ 144 &= A^2 \\ 12 &= A \end{aligned}$$