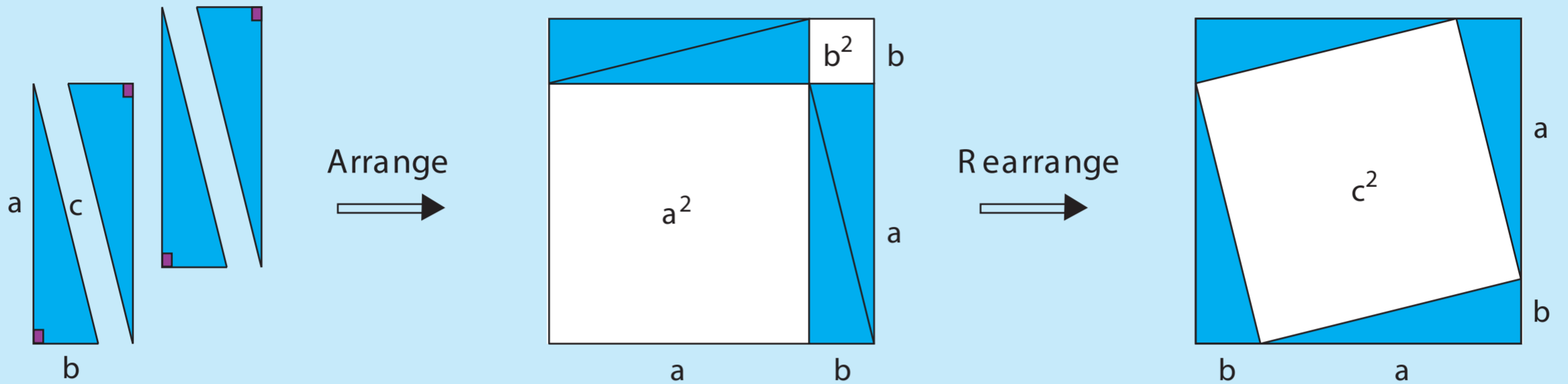


PYTHAGORAS THEOREM

There are hundreds of different proofs of this famous theorem. Here are two proofs, which can be understood visually.



Four right angled triangles, with sides a , b and c .

The area of the big square is $(a+b)^2$. The white area is a^2+b^2 .

The white area is now c^2 .

The proof below uses the fact that the area of a parallelogram remains the same as long as the base and the height of the parallelogram do not change.

