

THE STRENGTH OF TRIANGLES



The triangle is a naturally strong shape.

Engineers and architects have made use of this special feature of the triangle for thousands of years.

A square box without ends is very weak and may even collapse under its own weight but by adding another part across the diagonal to make it into two triangles, the square box can be made very strong.

This technique is called bracing or cross bracing.

You can use beams you make to make large triangles and then join them together to make strong but light structures.

