

Building Triangles Menu Task:

Build as *few* triangles as possible to satisfy each constraint at least once.

Any three distinct points can be joined to form a triangle.

A.	It is a right triangle	B.	The triangle is symmetrical
C.	The perimeter is greater than 12	D.	Two sides have the same length
E.	All sides are the same length	F.	The base is longer than each side

Which constraints pair nicely?

Which constraints cannot be paired?

Is it possible to solve in 2, 3 or 4 triangles?

Describe how and why you built each triangle.

Be sure to identify which triangles satisfy which constraints.