Forming Triangles from a Folding Ruler [Problem #3416]
A folding ruler is a wooden ruler made of straight hinged sections that you can fold or unfold depending on how much ruler you need. The one that I have is 6 feet long and is split into 12 sections of 6 inches each.

Imagine bending the ruler to form the shape of a triangle.
1. What are the dimensions of the three different triangles that each have a perimeter of 72 inches?
2. Which triangle is scalene? isosceles? equilateral?