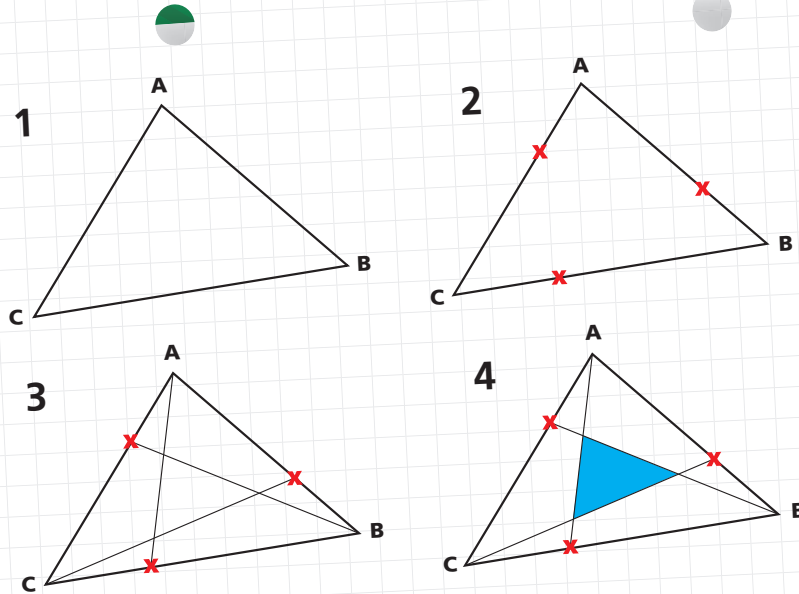


# MY FAVOURITE PROBLEM IS...



1. Start with any triangle.
2. Mark a point one third of the way along each edge moving anticlockwise from each corner.
3. Join these points to the 'opposite' corner to make a new triangle.
4. What fraction of the original triangle is the new triangle?

Based on a problem in *The Mathematical Gazette*

This problem can be solved in several ways, using techniques from GCSE or A level and even beyond that! The surprising result fascinated Nobel Prize winning Physicist Richard Feynman.