To the Wire

Problem One

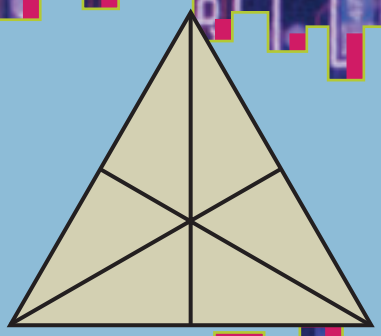
a. Draw five straight lines on a clock face to divide it into six regions.
The clock face numbers in each region must add to the same total.

b. Can the clock face be divided into three regions with numbers that add to the same total? How?

Problem Two

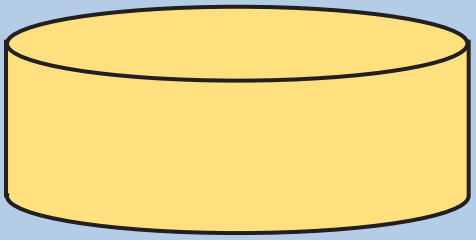
Melody bought a guitar for $75 and sold it later for $90. She bought another guitar for $100 and later sold it for $120.

How much money did she make from her deals?



Problem Three

How many different triangles can you find in this shape?



Problem Four

Some cheeses are made in the shape of a large cylinder. A straight wire is used to cut the cheese.

a. What is the largest number of pieces the cheese could be sliced into with three cuts?

b. What about four cuts?