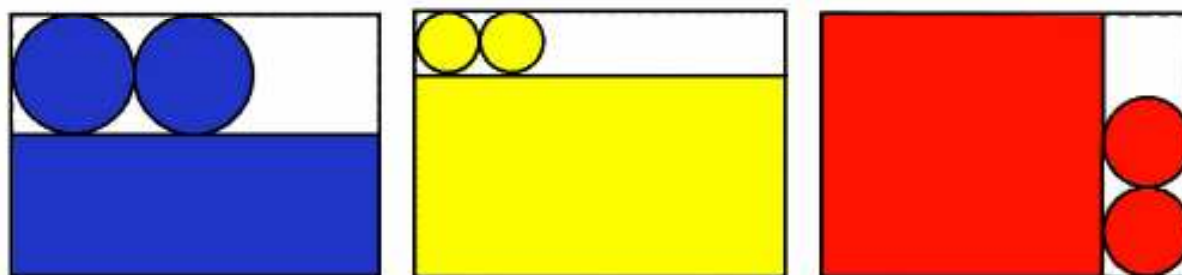# Efficient Cutting

A cylindrical container can be made by using two circles for the ends and a rectangle which wraps round to form the body.

To make cylinders of varying sizes, the three pieces can be cut from a single rectangular sheet in several ways. For example:

Using a single sheet of A4 paper, make the cylinder with the largest volume. The cylinder must be closed off by a circle at each end.

What are its dimensions?