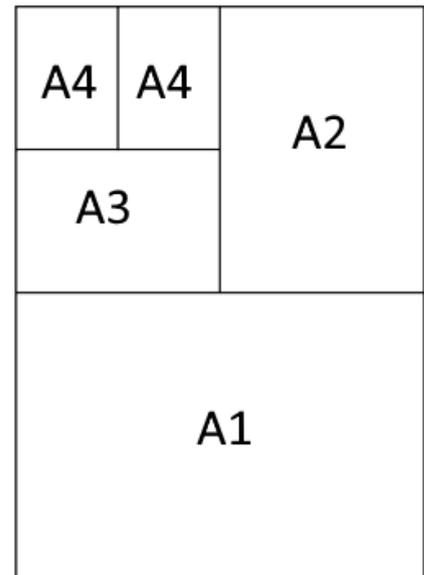


You may be familiar with the standard paper size A4.

Two sheets of A4 fit together to make a sheet of A3, two sheets of A3 fit together to make a sheet of A2, and so on.

Each member of the A paper size family is an enlargement of the others - they are all similar shapes.

Can you work out the ratio of the shorter to the longer side of a piece of A paper?



A sheet of A0 has an area of 1 square metre.

Can you use this fact to deduce the length and width of the different A paper sizes?

On a photocopier, approximately what percentage would you need to scale by in order to photocopy an A3 poster onto A4 paper?

Here are some challenging questions to consider:

Can you find a consistent way to define $A(-1)$ and other negative paper sizes?

Can you find a consistent way to define $A(1/2)$, and other fractional paper sizes?