



Let's take up the two-branch tree pattern and think about that for a moment.

We can probably close this pattern as you'd close a fan: if you line all the vertical branches up parallel, one near the other, we would probably get a column made of a big mark which is the trunk, that continues divided in half and then these two halves continue divided in half again etc. right up to the last little twigs. The diameter of this column may be the same at the bottom and the top.

Here's the pattern closed. So if it's like this, we can take a sheet of paper XXXXXXXXXX, position it vertically as if it were the space of the pattern closed and make a lot of cuts following the pattern.

First we make a cut in the middle starting from the top and going down to fifty centimetres from the base. In this way we have two large stumps and a trunk. Then we cut each of the two stumps in half (it's so easy!) twenty centimetres further up from the end of the first cut. Then ... we continue to cut the branches as far as we can: in the end we'll have strips of paper one centimetre wide.



$\frac{1}{2}$     $\frac{1}{4}$     $\frac{1}{8}$    ...

