



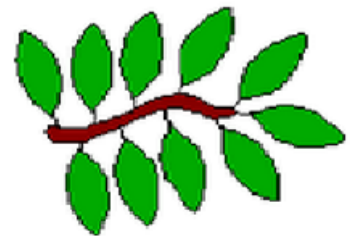
# The Deca Tree



The deca tree has 10 trunks.  
On each trunk there are 10 branches.  
On each branch there are 10 twigs.  
On each twig there are 10 leaves.



One day a woodcutter came along and  
cut down one trunk from the tree.  
Then he cut off one branch from  
another trunk of the tree.  
He then cut off one twig from another branch.  
Finally he pulled one leaf from another twig.



**How many leaves were left on the tree?**

Thousands more problems can be found on  
the NRICH Maths website:

**[www.nrich.maths.org](http://www.nrich.maths.org)**