

## 6. O Factor Tree

*(O Christmas Tree / O Tannenbaum)*

*O Factor Tree, O Factor Tree,  
You start with one whole number.*

*O Factor Tree, O Factor Tree,  
You start with one whole number.  
You split each number into two,  
Until no more is left to do.*

*O Factor Tree, O Factor Tree,  
You start with one whole number.*

*O Factor Tree, O Factor Tree,  
Your branches lead to primes now!  
O Factor Tree, O Factor Tree,  
Your branches lead to primes now!  
We break it down again, again,  
Till primes are all that still remain.  
O Factor Tree, O Factor Tree,  
Your branches lead to primes now!*

*O Factor Tree, O Factor Tree,  
Same primes, whichever path now!  
O Factor Tree, O Factor Tree,  
Same primes, whichever path now!  
The order may be different here,  
But prime factorisation's clear.  
O Factor Tree, O Factor Tree,  
Same primes, whichever path now!*

*O Factor Tree, O Factor Tree,  
Use powers to write neatly!  
O Factor Tree, O Factor Tree,  
Use powers to write neatly!  
In Venn diagrams we then compare,  
For HCF and LCM.  
O Factor Tree, O Factor Tree,  
Use powers to write neatly!*