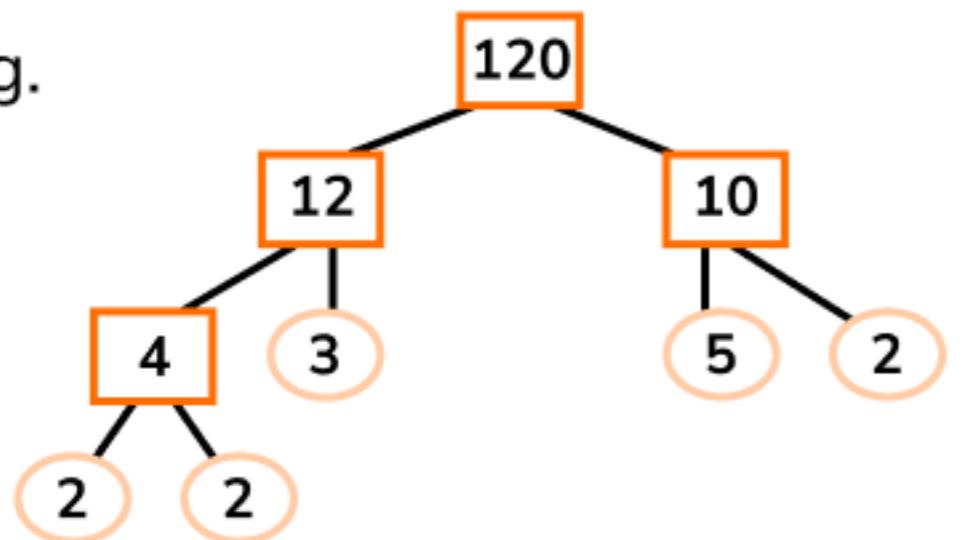


# Factor Trees

**Factor trees** are a way of expressing the factors of a number, specifically the prime factorisation of a number.

Each branch in the tree is split into factors. Once the factor at the end of the branch is a prime number, the only two factors are itself and one so the branch stops and we circle the number.

E.g.



So,

$$120 = 2 \times 2 \times 2 \times 3 \times 5$$

$$120 = 2^3 \times 3 \times 5$$