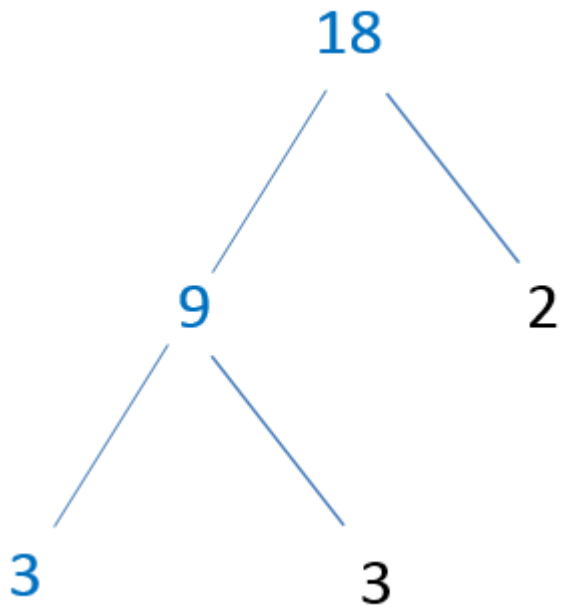
The Factor Foundation Rule

If *a* is divisible by *b*, and *b* is divisible by *c*, then *a* is divisible by *c* as well

If we know that 18 is divisible by 9, and 9 is divisible by 3, then 18 is divisible by 3 as well



Conversely, if d is divisible by two different primes, e and f, then d is also divisible by e x f

In the below factorization tree, since 18 is divisible by 3 and 2, 18 is also divisible by 3 x 2 = 6