

## **0.1 Prime numbers and composite numbers**

### **0.1.1 Definition**

A prime number is a number which does not have any divisors other than 1 and itself.

By convention we do not refer to 0 or 1 as prime numbers.

### **0.1.2 Identifying prime numbers**

Divisors must be smaller than the number. As a result it is easy to identify early prime numbers, as we can try to divide by all preceding numbers.

### **0.1.3 Examples of prime numbers**

[2, 3, 5, 7, 11, 13, ...]

### **0.1.4 Composite numbers**

Composite numbers are numbers that are made up through the multiplication of other numbers.

They are not prime.