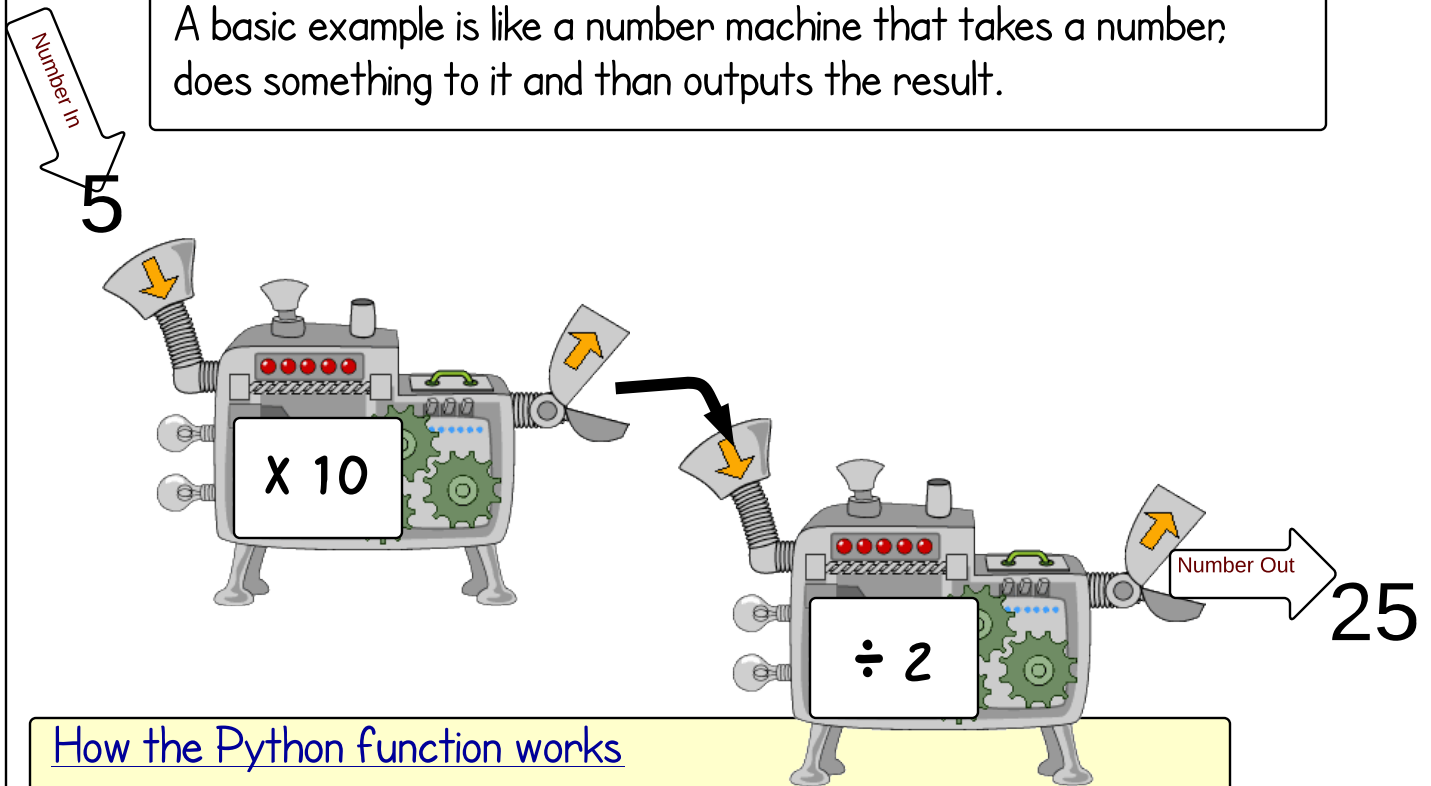


# Functions in Python

In Python we can create functions which take an input, carry out a process and output a result.

A basic example is like a number machine that takes a number, does something to it and then outputs the result.



## How the Python function works

This part tells the computer that the next thing written will be a **function**

This part is the **name** of the function

The **x** is what is passed into the function. In the example above it is the number 5

```
def numberMachine(x):  
    x = x * 10 / 2  
    print(x)
```

The print function prints out the result of x

This is the calculation that is done to x

### ? DID YOU NOTICE ?

The **print** is a function within this function? It will print out whatever is inside the brackets. In this case the variable x.