# Exercises…

Define a function fractionValue that takes two inputs, the numerator and the denominator, and returns the value of the fraction.

Define a function makeFraction that takes two inputs, the numerator and the denominator, and returns the fraction as a string. For example, if 5 and 8 are input, then “5/8” is returned.

Define a function printFraction that takes two inputs, the numerator and the denominator, and prints out the fraction. For example, if 5 and 8 are input, then 5/8 is printed out. You should use the makeFraction function.

Define a function printPercentage that takes two inputs, the numerator and the denominator, and prints out the fraction as a percentage. For example, if 5 and 8 are input, then 62.5% is printed out.

# Exercises…

Create a class Fraction to represent fractions.

It has: two data values, the numerator and the denominator
a constructor function
a function to return the value of the fraction
a function to return the fraction as a string
a function to print out the fraction
a function to print out the fraction as a percentage

# Exercises…

Create three fraction objects.

For each object print out the fraction  and print out the fraction as a percentage.

# Object-Oriented php: Using Existing classes

Once we have defined a class we may use it in the development of new classes.

Let's create a new class `TwoFractions` that has two fractions as data and acts on this data is various ways including:

- Comparing two fractions for equality
- Summing two fractions
- Multiplying two fractions
- Subtracting two fractions and
- Dividing two fractions