## **Conversion of decimals into fractions**

## Steps to convert the decimals into fractions are:

**Step 1:** Write the given decimal in the form of ratio (p/q), where the denominator is equal to 1.

**Step 2:** Now multiply the numerator and denominator by multiples of 10, for every decimal point, such that the decimal in the numerator becomes a whole number. (If there are two numbers after the decimal point, then multiply by 100/100)

Step 3: Simply the resulting fraction

Let us understand with an example:

Example: Convert 7.15 into a fraction.

**Solution:** Given, 7.15 is a decimal number.

Multiply and divide 7.15 by 100.

7.15 × 100/100 = 715/100

If we simplify it more, we get;

143/20

We can also find the equivalent fractions by multiplying the numerator and denominator by

2. Such as;

143×2/20×2 = 286/40

So, 7.15 equivalent fractions are 715/100, 143/20 and 286/40.