Introduction to Decimals

The word 'decimal' means 'based on 10'. This word has been derived from the Latin word decimal meaning a tenth part.

The fractional numbers having denominators 10, 100, 1000, etc., are called decimal fractions or decimals.

Some decimal fractions are expressed as given below:

Dividing Decimals

(i) $\frac{4}{10}$ is expressed as 0.4

(ii) $\frac{2}{100}$ is expressed as 0.02

(iii) $3\frac{13}{100}$ is expressed as 3.13

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        144.1
   5 ⟌ 720.5
       -5↓
        22
       -20↓
         20
       - 20↓
          05
         - 5
           0
```

The dot '.'is called the decimal point.

Therefore, decimal fraction consists of two parts i.e., whole number part and decimal part, and they are separated by the decimal point.