DECIMALS

Monday, 16th May, 2016

Objectives

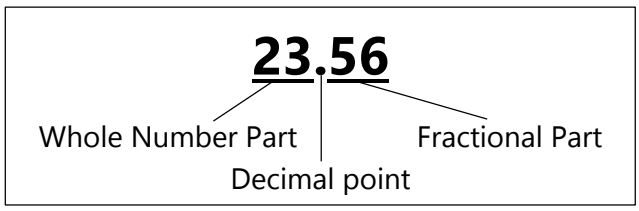
- What is decimals?
- Place value of decimals
- Organize decimals in ascending order

Introduction

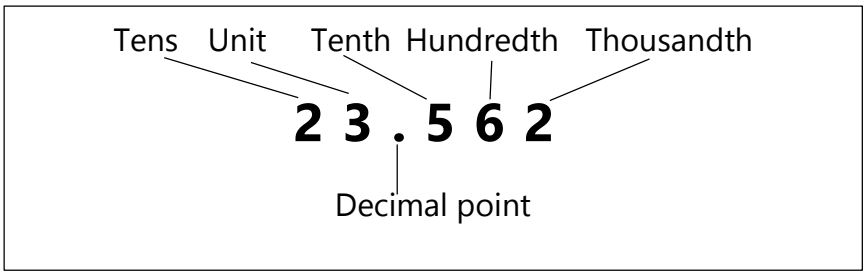
In division, one may face a case where more number of people share less number of item. For instance, four people sharing two things. When such is simplified decimal point would result thereby giving rise to a decimal fraction.

Decimals

Decimals are numbers that contain a dot within themselves. For example, 23.56 (read twenty-three point five six). The dot they contain is usually called decimal point and it separates the whole number part from the fractional part of the number.



Place Value of Decimals



Place value is the value of a digit because of its location. In decimals, the place value of digits in the whole number part begins with unit and increases to tens, hundreds, thousands, etc. while the fractional part starts from tenth and decreases rightward to hundredth, thousandth, ten thousandth, etc.

Arranging Decimals in Ascending Order

Decimals are arranged not the same as whole numbers are arranged. In fact, they are arranged in the opposite direction. We start counting decimals from the last digit and then increase towards the decimal point.

For example: 0.111, 0.011, 0.11, 0.001, 0.1, 0.01, 0.101 in ascending order would be 0.001, 0.01, 0.011, 0.1, 0.101, 0.11, 0.111.