

## INTRODUCTION TO DECIMALS

A decimal point is a point or dot used to separate the whole part of a number from the fractional part of a number.

Decimal comes from a Latin word Decimus meaning Tenth or the root word is Decem meaning Ten In Olympics Decathlon is an event where an athlete takes part in 10 different events :- 4 running, 3 jumping and 3 throwing events.

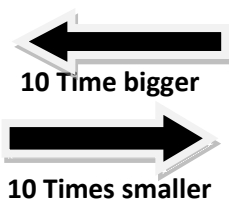
The decimal point goes between ONES and TENTHS

The digits following the decimals point shows a value smaller than ones.

We use decimals everyday in our lives, while dealing with money, weight, length etc

The PLACE VALUE system is used to define the position of a digit in a number, which helps to determine its value. When we write a specific number, the position of each digit is important.

For example:            5        7        6  
Place value        Hundreds   Tens   Ones



So what is something smaller the ONES or ten times smaller than ONES

is  $\frac{1}{10}$  or TENTHS

The Decimal Place Value Chart to understand better:

Decimal Place Value Chart													
Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	Decimal point	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred thousandths	Millionths
			3	6	8	4	.	2	6				

Image 1: Decimal Place Value chart.

The place value of 8 and 2 in the above chart

Place value of 8 is TENS and 2 is TENTHS

### How to read a decimal?

The whole number part is read together and after the decimal the fractional part is read separately. E.g. 576.23 is read as (Five hundred and seventy six point two three)