

8. DECIMALS

A fraction with denominator 10, 100, 1000, ... is called decimal number or simply decimal.

Tenth:-

*The fraction $\frac{1}{10}$ (one-tenth) can be written as 0.1. Similarly $\frac{9}{10}$ is written as 0.9.

*The numerals

0.1 and 0.9 are called decimal numeral or simply decimals.

*The dot in 0.1 and 0.9 are called decimal numerals or simply decimals.

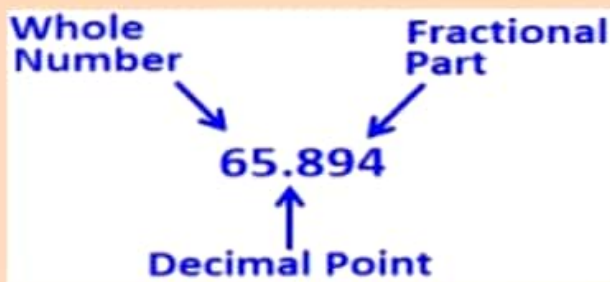
*0.1 and 0.9 can be read in two ways:-

0.1 is read as one-tenth or zero point one.

0.9 is read as nine-tenth or zero point nine.

*This system of writing numbers with a decimal point is called the decimal system.

Decimals and whole numbers:-



More than one (Mixed Numbers and Mixed Decimals)

Decimals = Mixed Decimals

$$7.5 = 7\frac{5}{10}$$

$$1.54 = 1\frac{54}{100}$$