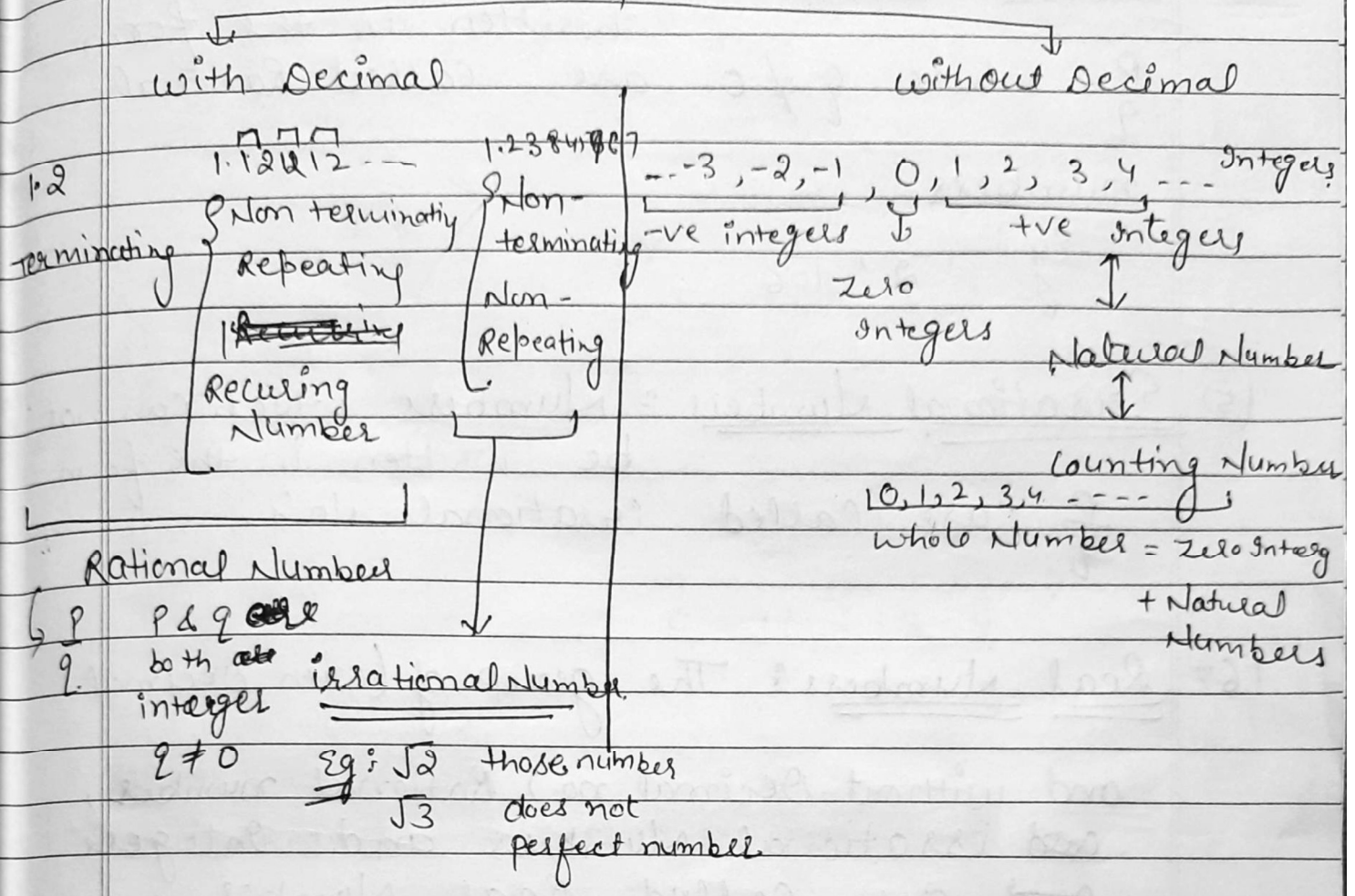


Real Numbers



(1) Natural Numbers :- All counting no. are called Natural numbers.

Eg :- 1, 2, 3, 4, 5

(2) Whole Numbers :- All counting no.s including '0' are called whole no.

Eg - 0, 1, 2, 3, 4

(3) Integers :- Whole no. including -ve and +ve are called integers.

Eg -1, -2, -3, -4, -5

(4) Rational Numbers $\frac{p}{q}$ No. s which can be written in the form $\frac{p}{q}$ where $q \neq 0$ are called Rational numbers.

Eg: $\frac{1}{2}, \frac{7}{106}$

(5) Irrational Numbers : Numbers which can not be written in the form $\frac{p}{q}$ are called irrational no.'s.

(6) Real Numbers : The group of (with decimal and without decimal no.) Rational numbers, ~~and~~ irrational numbers and integers ~~and~~ are called Real Number.

Real number \rightarrow Rational number + irrational Numbers.

Note: $\frac{p}{q}$ में integer $\frac{p}{1}$ or rational numbers

p & q are both integers

Eg: $\dots, -3, -2, -1, 0, 1, 2, 3, \dots$

$\dots, \frac{-3}{1}, \frac{-2}{1}, \frac{-1}{1}, \frac{0}{1}, \frac{1}{1}, \frac{2}{1}, \frac{3}{1}, \dots$

All integer can be represented as Rational number.