

Number Systems

=> Natural Numbers: All counting numbers are called natural numbers

$$\{1, 2, 3, 4, \dots\}$$

=> Whole Numbers: Natural numbers along with 0 form the collection of whole number.

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

⊛ Every natural number is a whole number but every whole number is not natural number.

As $0 \rightarrow$ whole number but not natural no.

=> Integers: The natural numbers, zero and negative of all natural numbers form the collection of all integers.

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

=> Rational Numbers: The numbers which can be expressed in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.