

# Types of Numbers

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1) Natural Number

ex. 1, 2, 3, ...  $\infty$

2) Whole Number

ex. 0, 1, 2, 3, 4, ...  $\infty$

3) Integers

i) positive =  $\{1, 2, 3, \dots \infty\}$

ii) Negative =  $\{-1, -2, -3, -4, \dots \infty\}$

iii) Non-negative =  $\{0, 1, 2, 3, \dots \infty\}$

=) Even & Odd Numbers.

Even  $\rightarrow 2, 4, 6, 8, 10, \dots$

Odd  $\rightarrow 1, 3, 5, 7, \dots$

=) Prime Number

$\rightarrow$  Number is divisible by 1 & itself.

ex. 2, 3, 5, 7, 11, 13, 17, 19, 23, ...

... ..

Ex. i) 137      ii) 173      iii) 319  
iv) 437      v) 811.

→ i)  $\{12\}_{//}^2 = 144 > 137$   
2, 3, 5, 7, 11.

137 is prime number.

\* Composite number

→ The number which is not prime is composite number.

⇒ Co-primes

Ex. (2, 3), (4, 5), (7, 9), (8, 11)