

\mathbb{Q} $\frac{a}{b} \quad a, b \in \mathbb{Z}$

$\mathbb{Z} = \dots -3, -2, -1$

$\mathbb{W} \cup \mathbb{O}$

\mathbb{N} $\sqrt{16}$

$1, 2, 3, \dots$

$.14\overline{7} \quad \frac{147}{1000} \quad \cdot \overline{3} = \frac{3}{9} = \frac{1}{3}$

$\frac{1}{2}$

\mathbb{R}

π

$-42.376\dots$

$e \approx 2.718$

$\sqrt{12}$

\mathbb{I}

i

N - Natural
 W - Whole
 Z - Integer
 R - Rational
 \bar{Q} - Irrational
 R - Real
 I - Imaginary*

*See definition at bottom of page.

REAL NUMBER SET Imaginary.

COMPLEX NUMBER SET

$i = \sqrt{-1}$

im·ag·i·nar·y num·ber
 noun
 MATHEMATICS
 noun: **imaginary number**; plural noun: **imaginary numbers**

1. a number that is expressed in terms of the square root of a negative number (usually the square root of -1 , represented by i or j).
2. "when imaginary numbers are squared, they yield a negative result"