

Real Number System Reference

R - REAL NUMBERS

All Rational and Irrational numbers

Examples: -5 , 0 , $\frac{2}{3}$, 2^2 , π

I - IRRATIONAL NUMBERS

Non-repeating, non-terminating decimals

Examples: π , 2^2 , 5^5 , $1.232332333\dots$

Q - RATIONAL NUMBERS

Numbers that can be written as fractions (a/b)

Examples: $\frac{1}{2}$, 0.75 , -4 , $0.333\dots$

Z - INTEGERS

Whole numbers and their opposites

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

W - WHOLE NUMBERS

Natural numbers including zero

Examples: 0 , 1 , 2 , 3 , $4\dots$

N - NATURAL NUMBERS

Counting numbers (excluding zero)

Examples: 1 , 2 , 3 , 4 , $5\dots$