

Sets of Numbers

Natural Numbers : set of counting numbers
N 1,2,3,4,5,.....

Whole Numbers: set of counting numbers and 0
W 0,1,2,3,4,.....

Integers: set of whole numbers and their
I opposites
.....,-4,-3,-2,-1,0,1,2,3,4,.....

Rational Numbers: set of numbers $\frac{a}{b}$, where a and b
Q are integers and $b \neq 0$

- : Positive rationals are symbolized by +Q
- : Negative rationals are symbolized by -Q
- : Rationals include fractions that are either terminating or repeating when expressed in decimal form as well as integers, whole numbers and natural numbers.

Irrational Numbers: set of numbers that include non-terminating, non-repeating
 \overline{Q} decimals such as pi (π)

Real Numbers: the set of rational numbers and
R irrational numbers (all numbers included in this set)