

RATIONAL NUMBERS & NUMBER SYSTEMS

Definition: A **Rational Number** is any number that can be expressed as the quotient or fraction p/q of two integers, a numerator p and a non-zero denominator q .

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Natural Numbers

Counting numbers starting from 1.

{1, 2, 3, ...}

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Whole Numbers

Natural numbers including zero.

{0, 1, 2, 3, ...}

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Integers

Whole numbers and their opposites.

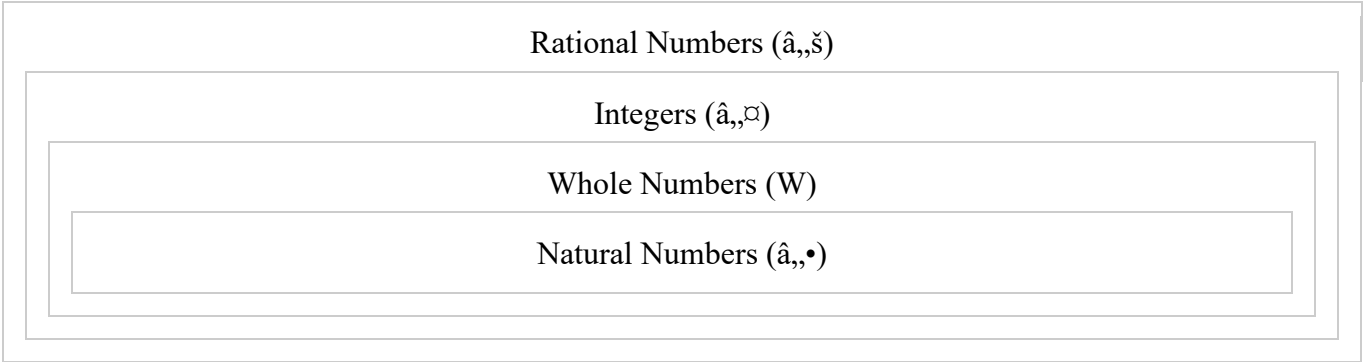
{..., -2, -1, 0, 1, 2, ...}

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Rational Numbers

Terminating or repeating decimals.

-0.5, 1/4, 0.33..., 7

Subset Hierarchy



Reference Chart: Mathematics Number Theory