

Definition

Natural numbers are
counting number.
Also found in
nature.

Synonyms

Counting Number
Full Numbers
Positive Numbers

Natural
Number

Example

1, 2, 3, 10, 14

1,000 2,516

Not Examples

0, -8, $\frac{1}{3}$, 0.3

Definition

A number without fractions or decimals or negatives.
Includes zero.

Synonyms

Full Numbers
Positive Numbers

Whole Numbers

Example

0, 1, 2, 3

Natural Numbers

Not Examples

-1, $\frac{1}{3}$, 0.3, π

August 31, 2016

Number
Classification

Definition

A number that can
be written as a ratio
or a fraction.

Synonyms

Repeating Numbers

Ratio
fraction
Parts

Example

○, Integers

$$0.3 = \frac{30}{100}$$

$$0.\overline{33}$$

Rational
Number

Not Examples

π , 3.231...

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Definition

A number that is not rational.

Synonyms

Not Rational

Irrational Numbers

Example

π , $3.321\dots$



Not Examples

Rational Numbers

Definition

All rational and
irrational numbers

Synonyms

Non-Imaginary numbers

Real Numbers

Example

0, π , rational
irrational,

Not Examples

Imaginary Numbers

Real Numbers

rational
Numbers

Irrational
Numbers

Integers

Whole
Numbers

Natural
Numbers

31, 2016

Definition

A number represented
by a real number times
by an imaginary
unit.

$$i = \sqrt{-1}$$

Example

$$2i = 2 \cdot \sqrt{-1}$$

$$4i = 4 \cdot \sqrt{-1}$$

0

Synonyms

Imaginary
Number

Not Examples

Does not include
Imaginary unit.