

# Real Number System

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## THE REAL NUMBER SYSTEM

### Rational Numbers

$-\frac{2}{3}$   $\frac{1}{2}$   $\frac{5}{8}$   $0.37$   $0.75$

### Integers

$1$   $-3$   $2$   $0.31$   $0.5$

### Whole Numbers

$0$   $4$   $10$   $-\frac{10}{5}$   $-2$

### Natural Numbers

$1, 2, 3, \dots$

### Irrational Numbers

$\sqrt{10}$

$\sqrt{1.6}$

$\pi$

$0.10100100010000\dots$

$\sqrt{\frac{2}{3}}$

$-\sqrt{123}$

# Real Number System

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"Real Numbers" - all the numbers that we deal with in math class and in life!  
All the points that fall along a number line.

Natural Numbers

Whole Numbers

Integers

Rational Numbers

Irrational Numbers

-1: integer, rational

$\frac{1}{3}$ : rational (fraction)

$\sqrt{7}$ : irrational

-7.34: rational (terminating decimal)

0: whole, integer, rational

1: natural, whole, integer, rational

$\pi$ : irrational

$\sqrt{36}$ : integers, rational