

# Number Systems

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**Main number systems**

$\mathbb{N}$	<b>Natural</b>	0, 1, 2, 3, 4, ... or 1, 2, 3, 4, ... $\mathbb{N}_0$ or $\mathbb{N}_1$ are sometimes used.
$\mathbb{Z}$	<b>Integer</b>	..., -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, ...
$\mathbb{Q}$	<b>Rational</b>	$\frac{a}{b}$ where $a$ and $b$ are integers and $b$ is not 0
$\mathbb{R}$	<b>Real</b>	The limit of a convergent sequence of rational numbers
$\mathbb{C}$	<b>Complex</b>	$a + bi$ where $a$ and $b$ are real numbers and $i$ is the square root of $-1$

