

IRRATIONAL NUMBERS & SQUARE ROOTS CHART

NUMBER (N)	SQUARE ROOT ($\sqrt{N}$)	DECIMAL APPROXIMATION	CLASSIFICATION
1	$\sqrt{1}$	1.000	Rational (Integer)
2	$\sqrt{2}$	1.414213...	Irrational
3	$\sqrt{3}$	1.732050...	Irrational
4	$\sqrt{4}$	2.000	Rational (Integer)
5	$\sqrt{5}$	2.236067...	Irrational
6	$\sqrt{6}$	2.449489...	Irrational
7	$\sqrt{7}$	2.645751...	Irrational
8	$\sqrt{8}$	2.828427...	Irrational
9	$\sqrt{9}$	3.000	Rational (Integer)

NUMBER (N)	SQUARE ROOT ($\sqrt{N}$)	DECIMAL APPROXIMATION	CLASSIFICATION
10	$\sqrt{10}$	3.162277...	Irrational
-	π (<i>Pi</i>)	3.141592...	Irrational (Transcendental)
-	e (<i>Euler</i>)	2.718281...	Irrational (Transcendental)

Note: Irrational numbers cannot be expressed as a simple fraction. Their decimals go on forever without repeating a pattern.