

IRRATIONAL NUMBERS REFERENCE CHART

Definition: A real number that cannot be expressed as a simple fraction (ratio). Its decimal form never ends and never repeats a pattern.

TYPE	SYMBOL/EXAMPLE	APPROXIMATE VALUE
Constant (Pi)	π	3.14159...
Euler's Number	e	2.71828...
Square Root (Non-Perfect)	$\sqrt{2}$	1.41421...
Square Root (Non-Perfect)	$\sqrt{3}$	1.73205...
Golden Ratio	ϕ (phi)	1.61803...
Cube Root (Non-Perfect)	$\sqrt[3]{5}$	1.70997...

- Quick Check:**
- 1. Does the decimal go on forever? (Yes)
 - 2. Is there a repeating pattern? (No)
 - 3. Can it be written as a/b? (No)