

IRRATIONAL NUMBERS REFERENCE CHART

Definition: An irrational number is a real number that **cannot** be expressed as a simple fraction (ratio). Their decimal expansions are non-terminating and non-repeating.

Famous Constants		
Pi (Circle Ratio)	π	3.1415926535...
Euler's Number	e	2.7182818284...
Golden Ratio	ϕ	1.6180339887...
Common Square Roots (Surds)		
Square Root of 2	$\sqrt{2}$	1.4142135623...
Square Root of 3	$\sqrt{3}$	1.7320508075...
Square Root of 5	$\sqrt{5}$	2.2360679774...

Square Root of 7	$\sqrt{7}$	2.6457513110...
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Square Root of 10	$\sqrt{10}$	3.1622776601...
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Cube Roots

Cube Root of 2	$\sqrt[3]{2}$	1.2599210498...
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Cube Root of 9	$\sqrt[3]{9}$	2.0800838230...
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** Note: Square roots of perfect squares (e.g., $\sqrt{4}$, $\sqrt{9}$, $\sqrt{16}$) are **Rational** numbers.*