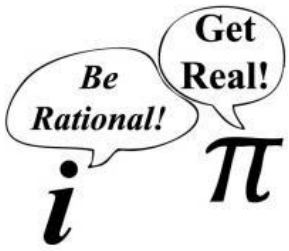

Rational Numbers

Any number that can be written as a fraction

Example	Description
$4, 2, 1$	Whole numbers + and −)
$4^2, 2^3, 4^{-2}, 2^{-3}$	Exponents + and −)
$\overline{.3}$	Repeating Decimals
3.14	Terminating Decimals
$\frac{4}{3}, 2\frac{1}{3}, \frac{-6}{4}$	fractions + AND −)
4.2×10^3	Scientific Notation
$\sqrt{4}, \sqrt{121}, \sqrt[3]{27}$	Perfect $\sqrt{}$ and $\sqrt[3]{}$

Irrational Numbers

Any number that CANNOT be written as a fraction

What are some examples?	
Non-terminating, non-repeating decimals ((this includes non perfect square and cube roots))	$\pi / -\pi$ $\sqrt{3} / \sqrt[3]{5}$ $4.236\ldots$