



Rational Numbers

Any number that can be written as a fraction

What are some examples?

Example	Description	Fraction Form
4, 2, -1	Whole numbers (+ and -)	$\frac{4}{2}, \frac{2}{1}, \frac{-1}{1}$
$4^2, 2^3, 4^{-2}, 2^{-3}$	Exponents (+ and -)	$4^2 = 16 = \frac{16}{1}$ $2^{-3} = \frac{1}{2^3} = \frac{1}{8}$
$\overline{.3}$	Repeating Decimals	$0.\overline{3} = \frac{3}{9} \div \frac{2}{3} = \frac{1}{3}$
3.14	Terminating Decimals	$3.14 = 3\frac{14}{100}$
$\frac{4}{3}, 2\frac{1}{3}, \frac{-6}{4}$	Fractions (+ AND -)	Dahl
4.2×10^3	Scientific Notation	$4.2 \times 10^3 = 4200 = \frac{4200}{1}$
$\sqrt{4}, \sqrt{121}, \sqrt[3]{27}$	Perfect $\sqrt{\quad}$ and $\sqrt[3]{\quad}$	$\sqrt{4} = 2 = \frac{2}{1}$ $\sqrt{121} = 11 = \frac{11}{1}$

Irrational Numbers

Any number that CANNOT be written as a fraction

What are some examples?

Non-terminating, non-repeating decimals	$\pi / -\pi$ $\sqrt{3} / \sqrt[3]{5}$ 4.236 ...
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