

# Rational numbers

A **Rational Number** is a real number that can be written as a simple fraction (i.e. as a **ratio**).

Example ;

Number	As a Fraction	Rational?
5	5/1	Yes
1.75	7/4	Yes
.001	1/1000	Yes
0.111...	1/9	Yes

A famous irrational number is [Pi \( \$\pi\$ \)](#):

$$1.5 = \frac{3}{2} \begin{matrix} \text{Ratio} \\ \text{Rational} \end{matrix}$$

$$\pi = 3.14159... = \frac{?}{?} \text{ (No Ratio)}$$

Irrational

