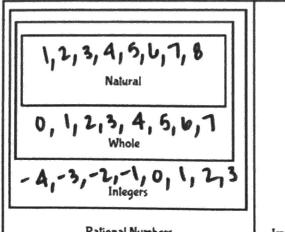
Classifying & Comparing Rational & Irrational Numbers



Rational Numbers

Irrational Numbers

Real Numbers

Rational Numbers:

Numbers that can be expressed as a fraction (Hint: Ratio)

This set includes Natural Numbers, Whole Numbers, Integers, Fractions and Legating decimals.

• Terminating Decimal: Decimal that ends (Ex. $\frac{3}{4} = 0.75$)

• Repeating Decimal: Decimal that repeats indefinitely (Ex. $\frac{1}{3}$ = 0.3333)

Examples: $\frac{2}{1}$, -0.25, $\frac{1}{2}$ (0.333), $\sqrt{9} = 3$

Irrational Numbers:

Numbers that ANNI expressed as a fraction of integers.

This set includes numbers containing T, radicals (not including perfect squaks) or a decimal that goes on forest (does not repeat).

Examples: $\sqrt{2} = 1.4142...$ 45.9492... TT= 3.1415...