

RATIONAL NUMBERS

Visual Reference Guide

Definition: Any number that can be expressed as a fraction p/q where p and q are integers and $q \neq 0$.

RATIONAL NUMBERS (Q)
 $-1/2, 0.75, 5, -10, 2/3$

INTEGERS (Z)
 $\dots -2, -1, 0, 1, 2 \dots$

WHOLE (W)
 $0, 1, 2, 3 \dots$

NATURAL (N)
 $1, 2, 3 \dots$

Terminating Decimals

Decimals that end.

$$1/4 = 0.25$$

Repeating Decimals

Decimals with patterns.

$$1/3 = 0.333\dots$$

Perfect Squares

Square roots of rationals.

$$\sqrt{25} = 5$$

Improper Fractions

Numerator > Denominator.

$$7/2 = 3.5$$