

RATIONAL NUMBERS REFERENCE CHART

Definition: A number that can be expressed as a fraction of two integers. $Q = \{ a/b \mid a, b \in \mathbb{Z}, b \neq 0 \}$

CATEGORY	CHARACTERISTICS	EXAMPLES
Integers	Whole numbers and their negatives.	-3, 0, 15, 102
Terminating	Decimals that end.	0.5, 0.125, 4.85
Repeating	Decimals with a recurring pattern.	0.333..., 0.1414...
Fractions	Proper, improper, and mixed.	1/2, 7/3, 5 3/4
Perfect Roots	Square roots of perfect squares.	√4, √25, √100