

Classifying Numbers

Numbers	Definition	Examples	How will I remember?
Natural	Counting numbers—no decimals, fractions or signs (+,-). Does not include zero.	1, 2, 3, 6, 26, ... 1256	What numbers do I use to count things? There are 36 desks in the algebra classroom
Whole	All of the counting numbers and zero —no fractions, decimals or signs(+,-)	0, 1, 2, 3, 6, ... 1256	All of the numbers on the right side of the number line and zero.
Integer	All of the counting numbers, zero and their opposites—all positive and negative numbers without decimals, fractions or radicals	-2, -1, 0, 1, 2,... 1256	All numbers on the number line
Rational	All positive and negatives numbers and fractions as well as all decimals that end or repeat in a known value	-6, 0, 26, 0.56, 7/8, 1/3	
Irrational	Any number that is not rational—decimals that do not end or repeat, radicals	π , $\sqrt{5}$	
Real	All numbers except the $\sqrt{-1}$		