



The real numbers: The set of numbers that correspond to points on the real number line.

Rational number: Any number that *can* be written as a fraction of integers. In decimal form, a rational number either terminates or forms a forever repeating pattern.

Irrational number: Any real number ***that is not a rational number***. π is an irrational number. The square root of a natural number is either itself a natural number (like $\sqrt{49}$) or is an irrational number (like $\sqrt{15}$).

Integer: Any number that simplifies to a number in the list: ... $-4, -3, -2, -1, 0, 1, 2, 3, 4, \dots$

Whole number: Any number that simplifies to a number in the list: $0, 1, 2, 3, 4, \dots$

Natural number: Any number that simplifies to a number in the list: $1, 2, 3, 4, \dots$