

Natural Numbers: The counting numbers: $\{1,2,3 \ldots\}$
Whole Numbers: The set of counting numbers plus zero: $\{0,1,2,3 \ldots\}$
Integers: The set of natural numbers and their opposites plus zero: $\{\ldots-3,-2,-1,0,1,2,3 \ldots\}$ The set of integers does not include decimals or fractions.

Rational Numbers: Numbers that can be expressed as the ratio of two integers. Decimal representations of rational numbers either terminate or repeat.
Examples: 2.375, 4, $-0.25,-0 . \overline{14}$
Irrational Numbers: Numbers that cannot be expressed as a ratio of two integers.
Their decimal representations neither terminate nor repeat.
Examples: $\mathcal{T}, \sqrt{3}, 0.14114111411114 \ldots$
Real Numbers: The set of rational and irrational numbers

