

Counting Numbers are the same as Natural Numbers:

1 , 2 , 3 , ...

Whole Numbers are the same but a zero is included:

0 , 1 , 2 , 3 , ...

Next comes the set of Integers and these are whole numbers and their opposites:

... -3 , -2 , -1 , 0 , 1 , 2 , 3 , ...

Rational Numbers are simply all of the above AND

- a) Fractions ($\frac{3}{4}$, $\frac{2}{7}$, $1\frac{5}{6}$)
- b) decimals which end (0.75 , 1.89)
- c) decimals which repeat (0.33333... , 4.1278787878...)

→ $\sqrt{25}$ is a rational number because it equals 5 when you solve it and 5 is an integer/a whole number/a counting number

Irrational Numbers are decimals that never end and never repeat

Pi (3.1415...) , $\sqrt{3}$, $\sqrt{2}$

The set of Real Numbers is ALL OF THE ABOVE.

