

2

Real Numbers : every number on the number line  
**THE REAL NUMBER SYSTEM**

Rational Numbers

Irrational Numbers

ex:  $\pi$ ,  $\sqrt{2}$ ,  $\sqrt{7}$

Integers

Whole Numbers

Natural Numbers

Counting Numbers

Natural Numbers + Zero

Whole numbers and their opposites

Integers + Fractions

\*opposite: the number  
equally distant to on  
the other side of zero  
on the number line

Decimals must be  
terminating or repeating!

\*

Cannot be expressed  
as a fraction of  
integers

Non-repeating and  
non-terminating decimals