

### Sequence:

An ordered set of numbers created using a pattern(rule).

### Terms of a sequence:

Each of the numbers in a sequence.

2.  $12, 19, 26, 33, 40, \dots$

1st	2nd	3rd	4th	5th	
term	term	term	term	term	

$t_1, t_2, t_3, t_4, t_5, \dots, t_n$

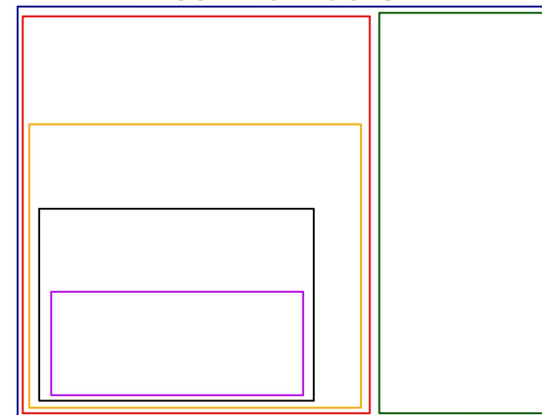
↑  
"t sub 1"

$t_n$  nth term - n represents the term number

what values can n have?

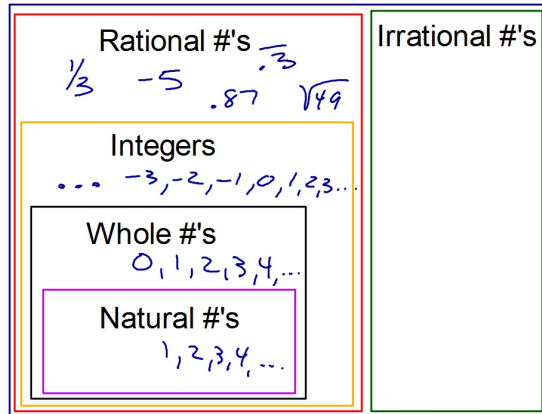
Natural #'s  
(a.k.a. counting #'s)

### Real Numbers



Whole #'s  
Rational #'s  
Natural #'s  
Irrational #'s  
Integers

## Real Numbers



## Linear Function:

- Equation can be expressed in the form:  $y=mx+b$
- Has a Constant Rate of Change
- Largest exponent on the variable is 1
- Graph is a line