

# Real Numbers ( $\mathbb{R}$ )

Irrational  
(Non-terminating  
decimal)  
 $\pi, \sqrt{2}, e$

Rational  
Can be represented as fraction  
 $\frac{1}{2}, \frac{1}{4}, \sqrt{9}, \sqrt{16}, 0$

$\mathbb{Z}$ : integers  
 $\dots -3, -2, -1, 0, 1, 2, \dots$

$\mathbb{W}$ : Whole integers  
zero & all natural numbers

$\mathbb{N}$ : Natural  
counting numbers  
 $1, 2, 3, \dots$