

January 7, 2015 Algebra

\* Numbers: 1, 2, 5

Fractions:  $\frac{1}{2}, \frac{3}{4}$

oo

w	,	b
↓		↓
7	,	-43

Symbols!

w = 7

Jan 7-9:11 AM

Sets

def: a set is a collection of "like" things.

① Natural Numbers

$\mathbb{N} = \{1, 2, 3, 4, \dots\}$   
all positive

Counting Numbers!

$\{1, 2, \dots, 10\}$

$= \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$

Zero! → 0

Positional number system?

163 → 1603  
hundreds tens ones

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② Whole Numbers

$\mathbb{W} = \{0, 1, 2, \dots\}$

↑  
 zero is added to the set of natural numbers.

Number Line

if  $5 + 0 = 5$ ?

then  $5 + (-5) = 0$

Jan 7-9:38 AM

③ Integers

$\mathbb{I} = \{\dots, -2, -1, 0, 1, 2, \dots\}$

↑  
 add opposite values of natural numbers

Jan 7-9:46 AM