

NATURAL NUMBERS = $\{1, 2, 3, \dots\}$

WHOLE NUMBERS = $\{0, 1, 2, 3, \dots\}$

INTEGERS = $\{\dots, -2, -1, 0, 1, 2, \dots\}$

RATIONAL = CAN BE WRITTEN IN FORM: $\frac{a}{b}$ INTEGERS

ex: $\frac{1}{2}$

ex: $0.3 = \frac{3}{10}$

ex: $5 = \frac{5}{1}$

ex: $0.\bar{3} = \frac{1}{3}$

$\{-3, -2.1, 0, \frac{1}{2}, 0.\bar{3}, 5, 1.202002000\dots\}$

IRRATIONAL = NOT RATIONAL

$\pi = 3.14\dots$

REAL = RATIONAL AND IRRATIONAL

#1

$A = \{1, 2, 3, 4, 5, 6\}$

#2

$A = \{0, 1, 2, 3\}$

#3

$C = \{-2, -1, 0, 1, 2, 3\}$

#4 NATURAL: $\{5\}$

#7

RATIONAL: $\{-3, -2.1, 0, \frac{1}{2}, 0.\bar{3}, 5\}$

-2.1

$-\frac{21}{10} \quad \frac{0}{1}$

#5 WHOLE: $\{0, 5\}$

#8

IRRATIONAL: $\{1.202002000\dots\}$

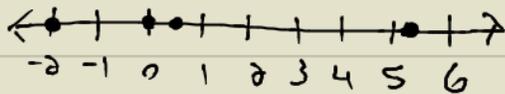
#6 INTEGERS: $\{-3, 0, 5\}$

#9

REAL: $\{-3, -2.1, 0, \frac{1}{2}, 0.\bar{3}, 5, 1.202002000\dots\}$

#10

$\{-2, 0, \frac{1}{2}, 5.2\}$



SYMBOLS

$<$: IS LESS THAN

$>$: IS GREATER THAN

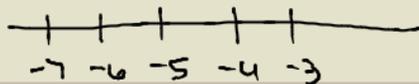
$=$: IS EQUAL TO

\leq : IS LESS THAN OR EQUAL TO

\geq : IS GREATER THAN OR EQUAL TO

#11

$-3 < -7$ (FALSE)



#13

$-9 < -2$

#14

$\frac{2}{5} > \frac{1}{3}$

ABSOLUTE VALUE



WHAT IS INSIDE BECOMES POSITIVE

#15

$|7| = 7$

#16

$|\frac{-2}{3}| = \frac{2}{3}$

$\frac{2.3}{15}$

$\frac{1.5}{15}$

$\frac{6}{15}$

$\frac{5}{15}$