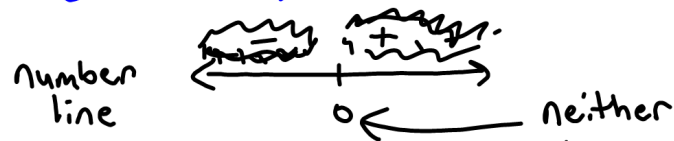


2.1 Integers & Rational #'s

Classifying #'s

Whole #'s: 0, 1, 2, 3, 4, ...

Integers: ... -3, -2, -1, 0, 1, 2, 3, 4, ... (+ & - whole #'s)

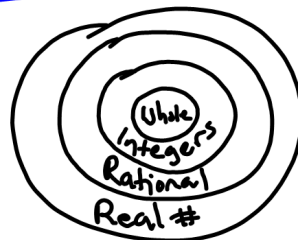


Rational #'s: $-\frac{1}{2}, \frac{2}{17}, \frac{2}{11}, \frac{1}{15}, -\frac{2}{17}, \frac{a}{b}$
(a fraction!)

Reals: All #'s

Example - Classify

#	Whole	Integer	Rational
5	Yes	Yes	Yes $\frac{5}{1}$
0.6	No	No	Yes $\frac{6}{10} = \frac{3}{5}$
$-2\frac{2}{3}$	No	No	Yes $-\frac{20}{3}$
-24	No	Yes	Yes $-\frac{24}{1}$



Absolute Value - How far you are from 0.

- Always positive

- $|a|$

$$|2| = 2$$

$$|-2| = 2 \leftarrow \text{turns a negative to positive}$$

If $a = -12.3$, what is $-a$.
 $+ (+12.3)$ 12.3