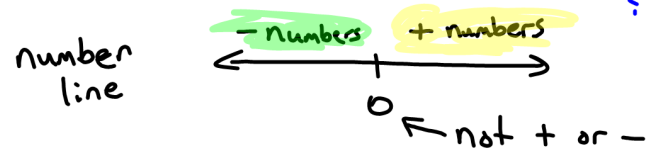


2.1 Integers & Rational #'s

Classifying Numbers

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

Integers: ..., -3, -2, -1, 0, 1, 2, 3, ... (Whole #'s & negatives)

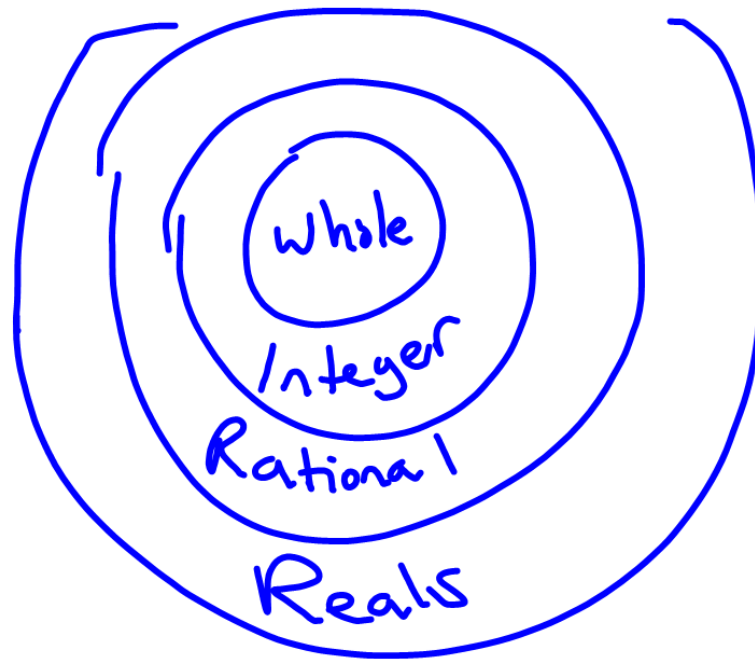


Rational #: $-\frac{1}{2}$, $\frac{2}{17}$, $\frac{3}{10}$, $\frac{9,959}{1}$, $\frac{a}{b}$
(Fractions)

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
-24	NO	yes	<u>yes!</u>



Absolute Value - How far away from 0.

- Always positive
- $|a|$

$$|2| = 2$$

$$|-2| = 2 \leftarrow \text{makes it positive}$$