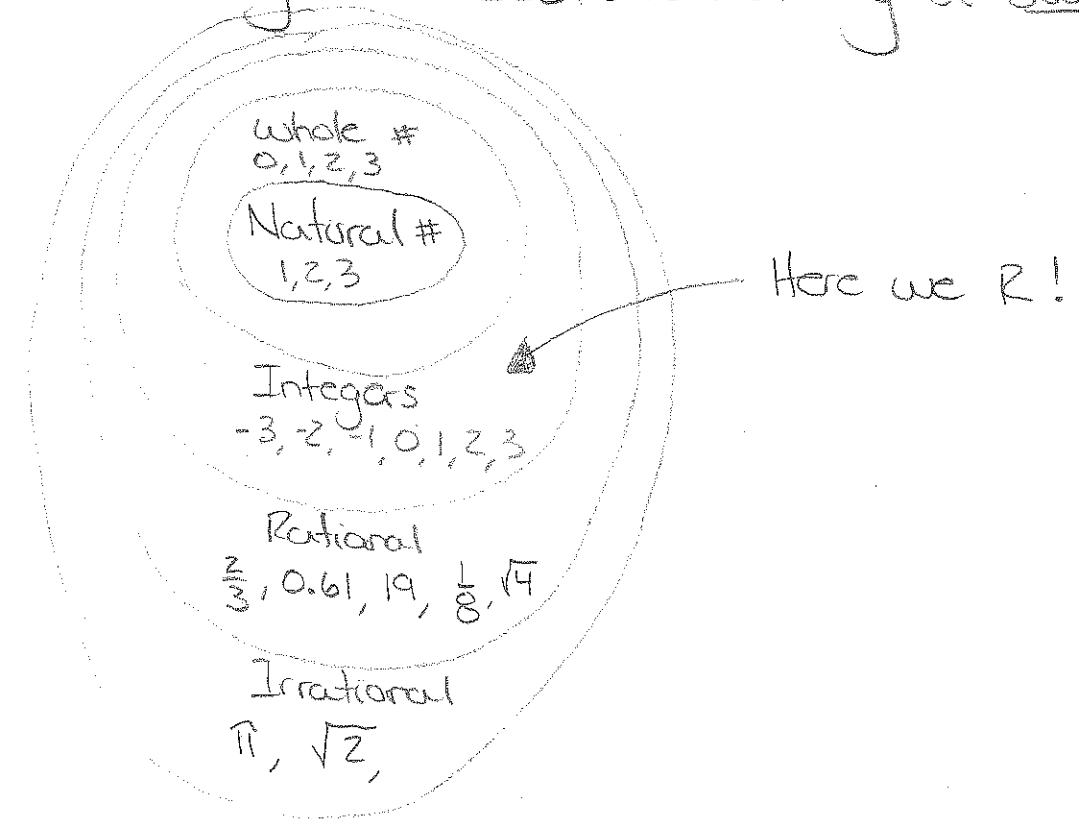


- ⊕ Integers = Value/Money : something u Have
- ⊖ Integers = debt : something u owe



Adding Integers

$$-6 + (-4) = \begin{matrix} -6 & + & -4 & = & -10 \\ \text{owe} & + & \text{owe} & = & \text{owe} \\ 6 & & 4 & & 10 \end{matrix}$$

$$6 + (-4) = \begin{matrix} 6 & + & -4 & = & 2 \\ \text{have} & + & \text{owe} & = & \text{have} \end{matrix}$$

Subtracting Integers

$$-6 - (-4) = \begin{matrix} -6 & - & (-4) & = & -2 \\ \text{owe} & - & \text{owe} & = & \text{owe} \\ 6 & & 4 & & 2 \end{matrix}$$

\* removing debt  $(-(-4))$  is adding value  
 $(-(-4)) = +4$  ← same as  $(+4)$

# Multiplying and Dividing Integers

+	+	+
-	-	+
-	+	-
+	-	-

same signs  $\rightarrow$   $\oplus$  answer

diff signs  $\rightarrow$   $\ominus$  answer

$$(-6)(-4) = +24$$

removing 6 groups of  
-4 (debt) = gaining 24

$$(-6)(4) = -24$$

removing 6 groups of  
+4 = losing 24

## Order of Operations

\* Remember

BEDMAS/PERMDAS

1) Brackets (or Parenthesis)

2) Exponents & Radicals

3) Multiplication & Division

4) Addition & Subtraction

$$5 + -11 = -6$$

$$4 - [5 + (-11)]$$

$$4 - [-6] \rightarrow 4 + 6$$

10

HW

A  
2, 4, 5, 6, 21

B  
10, 11, 12, 13, 14, 23

C  
15, 24

\* as they occur from L  $\rightarrow$  R \*