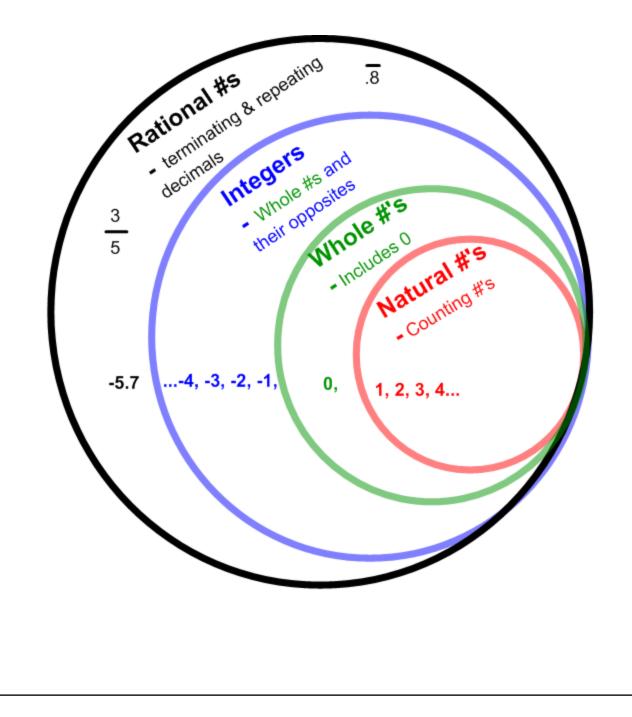
## SOL 6.3 – Integers

### **The Meaning of Integers**

- Whole numbers and their opposites.
- Ex. 5, -2, 436, -792
- **<u>Right</u>** is <u>correct</u>, so it is <u>positive</u>



SOL 6.3 Integers

## **Integer Vocabulary**

Negatives	Positives
Left – West	Right – East
Down – South	Up – North
Bottom	Тор
Lose – loss	Gain
Decrease	Increase
Backwards	Forwards
Withdrawal	Deposit
Below sea level	Above sea level

### **Inequalities**

- < Less than
- ≤ Less than or equal to
- > Greater than
- ≥ Greater than or equal to

## **Comparing and Ordering Fractions**

- ascending goes up or gets bigger
- Descending goes down or gets smaller

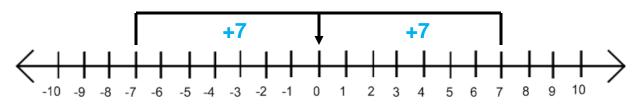
## SOL 6.3 – Absolute Value

## The Meaning of Absolute Value

- The distance from zero.
- Symbol for absolute value ||

## How to Find Absolute Value

- When finding the absolute value of an integer, find the distance from zero on a number line.
- Because distances are positive, so is every absolute value.
- Opposite integers will have the same absolute value since they are both the same distance from zero.



## Practical Problem involving Absolute Value



Ryan and Chloe were at Jacob's house. Ryan rode his bike 3 miles west of Jacob's house, and Chloe rode her bike 3 wiles east of Jacob's huse. Who traveled a greater distancefrom Jacob's house?

Ryan and Chloe both traveled the same distance from Jacob's house since each traveled 3 miles in opposite directions.

# Examples of Absolute Value|+7| = +7, |-7| = +7, |-28| = +28, |+12| = +12, |-5| = +5, |-167| = +167|+7| + 7 = +14, |-7| + 7 = +14, |-28| - 16 = +12,

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