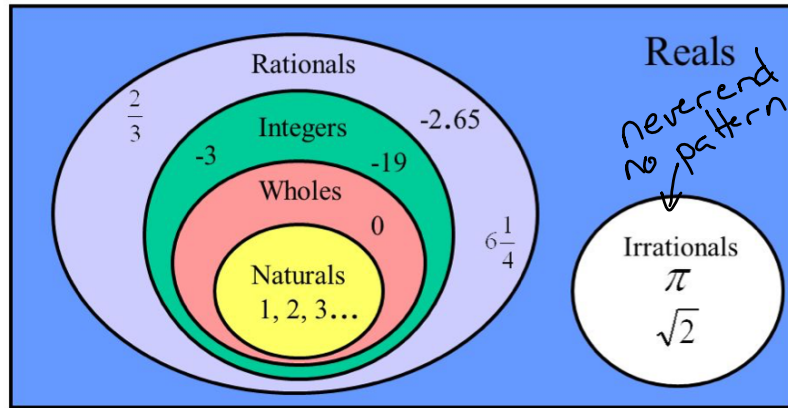


Date: _____

Unit 1: Number Sense

Day 1: Operations with Integers

1) Types of Numbers

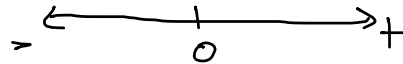


In your own words, explain what an **integer** is. How is the set of integers different from the set of natural numbers? Whole numbers?

Integer \rightarrow Any number on a numberline
 \rightarrow any \oplus or \ominus # that isn't a fraction
 \rightarrow used for temp / bank balance

2) Operations with Integers

a) Multiplication and Division



Try each of the following on your calculator:

$(-3) \times (-4)$

$= 12$

3×4

$= 12$

$(-3) \times 4$

$= -12$

$3 \times (-4)$

$= -12$

$16 \div 2$

$= 8$

$(-16) \div 2$

$= -8$

$16 \div (-2)$

$= -8$

$(-16) \div (-2)$

$= 8$

When you multiply or divide two integers with the **same sign** (both positive or both negative), what sign do you expect your answer to have?
Positive

When you multiply or divide two integers with **opposite signs** (one positive, one negative), what sign do you expect your answer to have?

Negative

