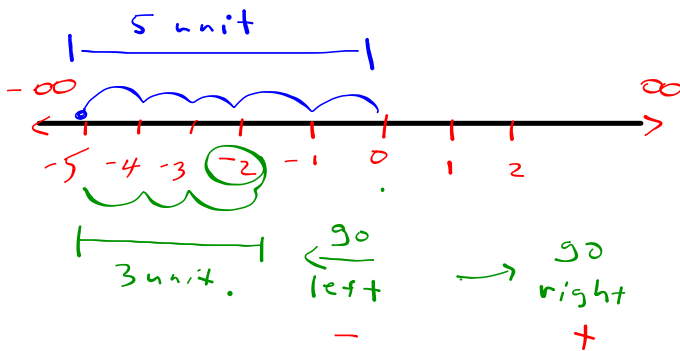


Lesson 2: Adding Integer

Aug 31st, 2022

Illustrating the Addition of 2 Integers with the Number Line



ex.

$-5 + 3$

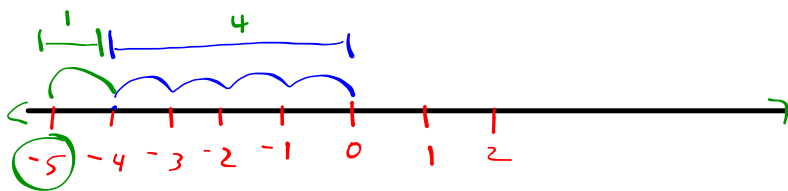
starting @ zero
 step i. Locate 1st # on line (relative to 0)

step ii. From 1st # add the 2nd # (relative to 1st #)

step iii. circle final answer (where you finish)

ex. left and left

$-4 + (-1)$



go left when negative

go right when positive

you do
 pg
 2-3

Fill in the blank:

When 2 integers with the same sign are added, their sum has the same sign as the 2 integers.

$$\text{ex } 2 + 5 = 7$$

sum
↖ ↗

$$\text{ex } (-1) + (-3) = -4$$

Fill in blank (with)

When 2 integers w opposite signs are, their sum has the same sign as the "bigger number" / furthest from zero
 $|-8| = 8$

ex $-2 + 5 = 3$

ex $3 + -8 = -5$

• You do

pg 2.6

• in first column

1st say + or -

• then use calculator to confirm

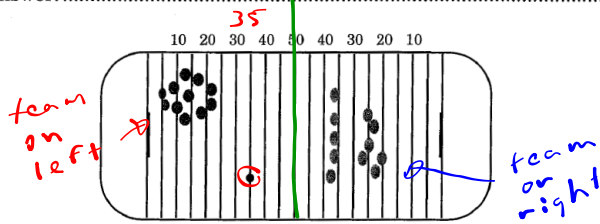
$\frac{+}{-}$	$\frac{+2}{-1}$
$\frac{-}{+}$	$\frac{-1}{+2}$

Translating Words into Positive or Negative Signs

P 2.10

e) During a football game, the football is on the 35 yard line; the team on the left in possession of the ball receives a 10 yard penalty. Where will the ball be placed?

Answer:



You do:
Finish the rest of handouts

- Label
- Identify unclear word

bad thing

$$35 + (-10) = 25$$

- Using connotations to pick sign
- negative / bad / downwards - sign
- positive / good / upwards + sign