

6th Grade
Oct 19, 2020

Please open your binder to put in a new table of contents.

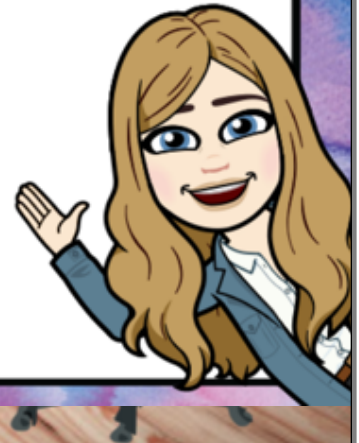
Today we will:
-complete notes
-do some examples
-begin HW

I will do binder checks throughout the week.

HOMEWORK:

WS

ALEKS-60 minutes
due by 11:59pm
TONIGHT



NEGATIVE
NUMBERS

POSITIVE
NUMBERS



 Name _____
Unit _____ Lesson _____ Due Date _____

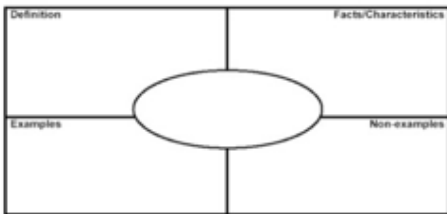
INTEGERS



Negative numbers are always _____ than positive numbers!

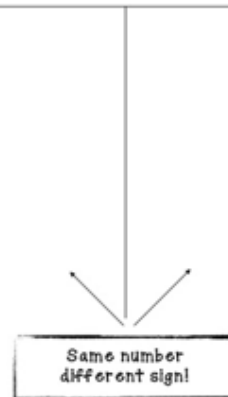
Zero is neither _____ nor _____!

Positive numbers are always _____ than negative numbers!



Whole numbers are {_____}, so integers are {_____}.


Integer Opposite



The further you travel to the _____, the smaller the value.

ZERO (starting point)

The further you travel to the _____, the larger the value.


 Name _____
 Unit 5 Lesson 1 Due Date 10/19
PRACTICE

WE DO:

Guided Practice

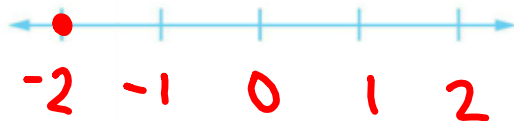


Write an integer for each situation. Explain the meaning of zero in each situation. (Examples 1-3)

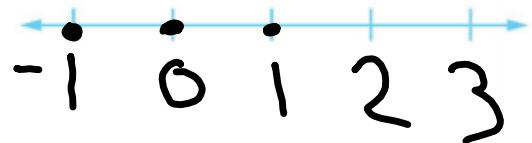
- 15-yard gain 15, no gain or loss (OR) started *Where the football*
- loss of 2 hours -2, no gain or loss of hours

Graph each integer or set of integers on a number line. (Examples 4-6)

3. -2

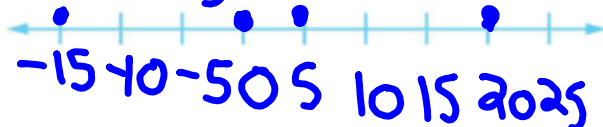


4. [-1, 1, 0]



5. The data set {+5, 0, -15, +20} shows the number of points Delaney scored on each hand of a card game. Graph the scores. Explain the meaning of zero in this situation. (Example 7)

the meaning of zero is that she scored



no points

Review

Write an integer to represent each situation.

1. A loss of 20 points
2. A gain of 14 points
3. A profit of \$20.00
4. A loss of \$18.00
5. An elevation of 500 ft.
6. 200 feet below sea level
7. 8 degrees below zero
8. 78 degrees
9. A decrease of \$68.00
10. An increase of \$55.00
11. The dow did not rise or fall today.
12. The plane descended at a rate of 15%.
13. The submarine surfaced.
14. The cost and the earnings evened out.
15. The stock market had an overall rate of 18% above.



HOMEWORK



Name _____

Unit ____ Lesson _____ Due Date _____

Independent Practice

Go online for Step-by-Step Solutions



Write an integer for each situation. Explain the meaning of zero in each situation. (Examples 1–3)

1. 3 miles below sea level _____

2. earning \$45 _____

3 moving back 5 spaces on a game board _____

Graph each integer or set of integers on a number line. (Examples 4–6)

4. -5



5. $\{2, -3, 0, 1\}$



6. The data set $\{+4, -1, -2, 0\}$ shows a change in number of state representatives for four states after the last census. Graph the change in number of representatives. Explain the meaning of zero in this situation. (Example 7)



7. **MP Use Math Tools** The table shows the record low temperatures for several states. Graph the temperatures on a number line.



Record Low Temperature by State (°F)				
AL	AK	CT	NJ	VA
-27	-29	-32	-34	-30

8. **MP Use Math Tools** The table shows the number of points earned for each action in a video game. While playing the video game, Kevin fell in water, jumped over a rock, touched a cactus and climbed a mountain. Graph the number of points he earned for each action on the number line.



Action	Points
fall in water	-10
walk over a bridge	+5
climb mountain	+10
jump over rock	+5
walk through quicksand	-15
touch cactus	-15

Extra Practice

Write an integer for each situation. Explain the meaning of zero in each situation.

14. 13° below zero *-13; The integer 0 represents zero degrees.* _____
15. spending \$25 _____
16. 13-yard gain _____

Graph each integer or set of integers on a number line.

17. -8



18. $\{0, -3, 1, -1\}$



19. $\{-1, 1, -2\}$



20. $\{3, -5, 4, -1\}$



21. $\{4, -2, 2\}$



22. The data set $\{+3, -1, -2, +1\}$ shows the moves a player made forward or backward in a board game. Graph the moves the player made. Explain the meaning of zero in this situation.



23. **MP Model with Mathematics** The table shows the overnight low temperatures for 5 days in Minneapolis. Graph the temperatures on a number line.

Overnight Low Temperatures ($^\circ\text{F}$)				
1	-1	3	-6	0

