6th Grade
Oct 20, 2020

Please get out your HW WS.

Today we will:
-review HW
-practice in class

I will do binder checks throughout the week.

HOMEWORK:

Complete WS

Video notes

THQ due Friday

ALEKS-60 minutes due by 11:59pm next Monday night 10/26

pg 349: #1-8 AND pg 351: #1-

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

1. 3 miles below sea level −3; The integer 0 represents at sea level.

2. earning $45 45; The integer 0 represents neither earning nor spending.

3. moving back 5 spaces on a game board −5; The integer 0 represents

neither moving backward nor moving forward.

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

4. −5

-6 . -5 -4

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)

The integer 0 represents neither a gain nor loss in number of representatives.

-2 -1 0 1 2 3 4

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

-34 -33 -32 -31 -30 -29 -28 -27 -26

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

8. **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.
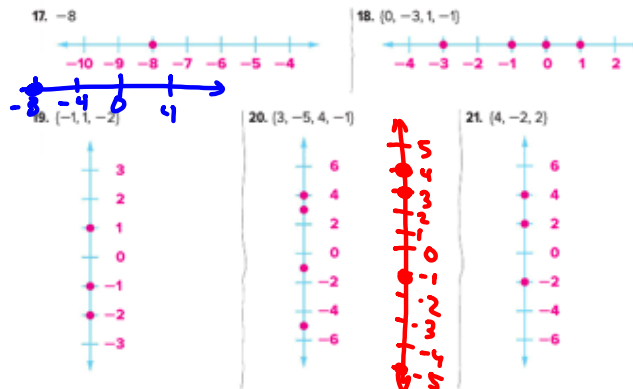
-15 -10 -5 0 5 10 15

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

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 −25; The integer 0 represents neither spending nor earning.

16. 13-yard gain 13; The integer 0 represents neither a gain nor a loss.

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

17. −8

-10 -9 -8 -7 -6 -5 -4

18. {0, −3, 1, −1}

-4 -3 -2 -1 0 1 2

19. {−1, 1, −2}

-1 0 1

| 3 |
| 2 |
| 1 |
| 0 |
| −1 |
| −2 |
| −3 |

20. {3, −5, 4, −1}

| 6 |
| 4 |
| 2 |
| 0 |
| −2 |
| −4 |
| −6 |

5 4 3 -2 -1 0 -2 -3 -4 -5

21. {4, −2, 2}

| 6 |
| 4 |
| 2 |
| 0 |
| −2 |
| −4 |
| −6 |

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.

The integer 0 represents a move neither forward nor backward.

-3 -2 -1 0 1 2 3

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

-6 -5 -4 -3 -2 -1 0 1 2 3 4

Overnight Low Temperatures (°F)				
1	−1	3	−6	0

Math

Chapter

5

TITLE:

Integers and the
Coordinate Plane

Date	Lesson	Topic/Assignment
10/19	1	Integers and Graphing VN and Examples
10/20	1	HW WS

Students will create a "human number line" to practice ordering integers.

Review

Write an integer to represent each situation.

1. A loss of 20 points −20

2. A gain of 14 points +14

3. A profit of $20.00 +20

4. A loss of $18.00 −18

5. An elevation of 500 ft. 500

6. 200 feet below sea level −200

7. 8 degrees below zero −8°

8. 78 degrees 78

9. A decrease of $68.00 −$68.00

10. An increase of $55.00 + $55.00

11. The dow did not rise or fall today. 0

12. The plane descended at a rate of 15%. −15%

13. The submarine surfaced. 0

14. The cost and the earnings evened out 0

15. The stock market had an overall rate of 18% above. +18"