

SSR

Read at a Level 0 until 9:15

Oct 21-8:19 PM

INTEGERS AND ABSOLUTE VALUE OPENER

1. Mike and Molly are planning a vacation. Their travel agent charges 3% fee for making their arrangements. If their vacation costs \$3,425, how much will they owe their travel agent?

$$100 + 3 = 103\%$$

$$1.03 \times 3425$$

$$= 3527.75$$

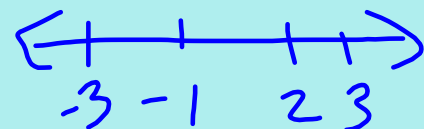
2. Does the table below show a proportional relationship? If so, what is the equation?

x	y
3	$\frac{3}{2}$
4	2
5	$\frac{5}{2}$
6	3

$$\frac{y}{x}$$

$$y = \frac{1}{2}x$$

3. Draw and label a number line containing the numbers -3, 2, -1, and 3.



Aug 23-2:08 PM



Learning Target

I can compare integers using $<$, $>$, and $=$ by identifying their position on a number line.

I understand that the absolute value of a number is its distance from zero.

May 10-9:18 AM

Let's watch a short video on integers and absolute value. Try to fill in the blanks on your notes as you watch!

Numbers **Integers** Print

Integers are all of the whole numbers and their opposites. That means an integer can be positive or negative. You can use them in all kinds of handy tasks like telling time and solving word problems.

PLAY VIDEO **Test Yourself**

Key Vocabulary

- integer
- absolute value

-2
-1
0
1
2


Aug 23-2:08 PM

Fill in the blank.

INTEGERS are _____ and _____ whole numbers. They are often shown on a _____ . Positive numbers _____ as they move further away from zero. Negative numbers _____ as they move further away from zero.

Real World Examples of Integers:

temperature levels
bank-money



Compare using <, >, or =.

1. $-5 < -3$

2. $-100 < -3$

3. $0 > -12$

4. $8 > -6$

Arrange in order from least to greatest.

5. $-14, -8, -5, -4, -2, 0, 1, 3, 5, 8, 12$

Aug 23-2:08 PM

ABSOLUTE VALUE

Is the _____ a number is from zero. Absolute value is always _____ an never be _____. The symbol for absolute value is _____.

Real World Examples of Absolute Value:

distance



Simplify.

6. $|-4| = 4$

7. $|4| = 4$

8. $|-3| + |2| = 5$

9. $-|-4| = -4$

$3 + 2 = 5$

b/c the neg. is outside of the abs. value symbol

Aug 27-11:09 AM

Ordering and Absolute Value

TABLE CHALLENGE



Aug 23-2:08 PM



Summary

Pick up the 4 cards that I just laid on your table, and distribute one to each person at your table. Stand in order from LEAST to GREATEST facing the front of the room (so if you are looking at the smartboard the person holding the lowest value should be all the way to the right).

May 10-9:18 AM



Aug 23-4:07 PM

Vocabulary

Integers — a positive number, a negative number or zero but **NOT** a fraction or a decimal
ex. -7, 13, 0 ~~$\frac{1}{2}$~~ ~~.75~~

Absolute Value — the distance a number is from zero on the numberline written as $|x| = x$ OR $|-x| = x$.

ex $|-5| = 5$

May 10-8:54 AM