

Module 2 Lesson 3

I will be able to order
integers.

I will be able to use inequalities
to describe the location on
number lines.

Inequality-

Statement that 2 quantities are not equal

=
Equal
to

>
greater
than

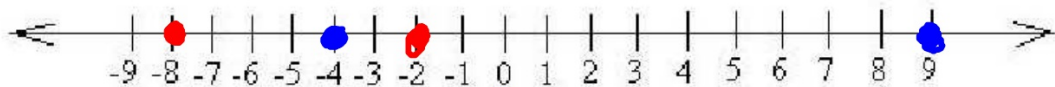
<
less than

$$9 > -4$$

Graph 9 and -4 on the numberline.

Then compare.

$$-8 < -2$$



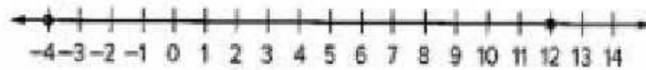
to the Right is largest

Skip

Fill in the \bigcirc with $<$, $>$, or $=$ to make a true sentence.

1. $12 \bigcirc -4$

Graph 12 and -4 on a number line. Then compare.



Since 12 is to the right of -4 , $12 > -4$.

Practice

1) -3 $>$ -5

2) -5 $<$ 0

3) 6 $>$ -1

Justin has a score of -4 on the Trueville Trivia game. Desiree's score is -5 . Write an inequality to compare the scores. Explain the meaning of the inequality.

$$-4 > -5$$

Justin has a higher score than Desiree.

- 2.** Justin has a score of -4 on the Trueville Trivia game. Desiree's score is -5 . Write an inequality to compare the scores. Explain the meaning of the inequality.

$-4 > -5$ -4 is farther to the right on a number line than -5 .

Since $-4 > -5$, Justin has a higher score than Desiree.

Try It!

The temperature on Tuesday was 2°F . The temperature on Wednesday was -2°F . Write an inequality to compare the temperatures. Explain the meaning of the inequality.

$$2 > -2$$

Tuesday was hotter than Wed

Magnitude

The absolute value of a measurement

Compare

1. $-10 < -2$

2. $-6 < 6$

3. $-7 > -8$

4. Write 2 inequalities to compare -2 and -18

$$-2 > -18$$

$$-18 < -2$$

~~Try It~~

L \rightarrow G

Order the numbers -10, 4, -2, -6, and 5

② Group

① Use a
line

-10, -6; 2, 4, 5

Compare negatives

Compare Positives.

Order Integers:

Fred recorded the following golf scores during his first week at the golf academy. In golf, the player with the lowest score wins the game.

Day	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
Score	4	-2	3	-5	-1	0	-3

Graph on a Number Line:

Order Fred's Scores from least to greatest:

Stations

- ❖ Integer War- Recording sheet **(not this time)**
- ❖ Teacher- Whiteboard
- ❖ Homework (Khan Academy- Ordering negative numbers, possibly ordering rational numbers)

Homework Time