Math 6 Remote Learning Lesson 3 - Integers and the Number Line
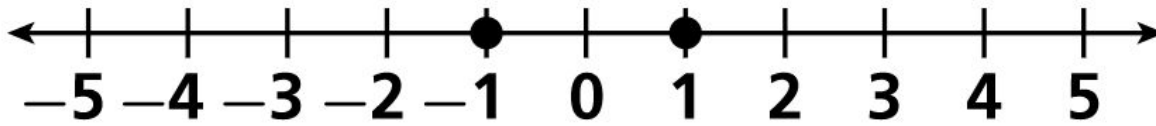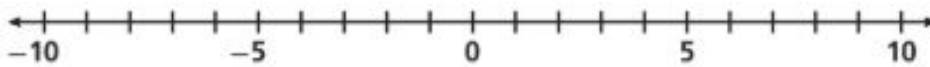
As you move right on the number line, the values of the integers increase →
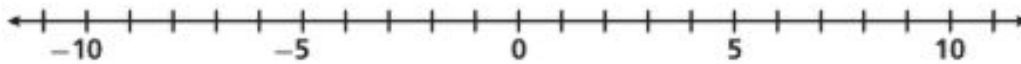

-5 -4 -3 -2 -1 0 1 2 3 4 5

← As you move left on the number line, the values of the integers decrease

Graph the numbers. Then write the numbers in order from least to greatest.

-1, 1, -4, 0

-10   -5   0   5   10

_____

-2, 1, -6, -4

-10   -5   0   5   10

_____

Connect to Vocabulary

An **inequality** is a mathematical sentence that shows the relationship between quantities that are not equal.

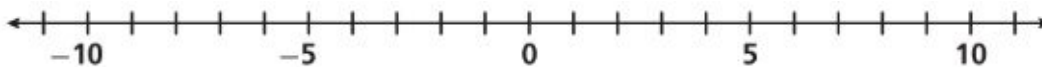| Lakes	Elevation (feet)
Beldon Lake	-18.5
Forest Lake	90
Springbrook Lake	-75.2
Western Lake	44.5
Pleasant Lake	4.5

How can you use a number line to order the elevations?

Choose the correct symbol from <, >, and = to compare the numbers.

-6 _____ -8

Deshaun, Chris, Tonya, and Austin play a game.
Each turn, a player can lose a point or win a point.
At the end of the game the scores are as shown.

A. Graph the scores on the number line.

-10   -5   0   5   10

IIIIII Final Score

🚙	Deshaun:	2
🚗	Chris:	-4
🚙	Tonya:	-5
🚗	Austin:	3

B. Is Deshaun's or Tonya's score greater? Explain how you know.

C. Is Chris's score greater than Tonya's? Explain how you used the number line to compare the numbers.

D. From left to right, do the values on the number line increase or decrease? Explain.

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