Name_____ Date_____ Period_____

LESSON 7-4 · SESSION 2 · PRACTICE · FORM B

Ordering Integers and Rational Numbers

Learning target – I can order integers and rational numbers from least to greatest. · 6.NS.C.7b

REMEMBER

- **Least to greatest** means left to right on a number line. Greatest to least means right to left.
- The number farthest from 0 may be the **least**. Deepest or coldest means least.
- Change every number to a **decimal** first: −2 1/2 = −2.5 and 3/4 = 0.75.

WORKED EXAMPLE

Order −6, 1.5, −0.5, and 3/4 from least to greatest.

Step 1 3/4 = 0.75.

Step 2 Negatives first: −6 < −0.5.

Step 3 Then positives: 0.75 < 1.5.

Answer **−6, −0.5, 3/4, 1.5**

WORDS **order** *(orden)* · **least** *(mínimo)* · **greatest** *(máximo)*

PRACTICE

show your work · label units

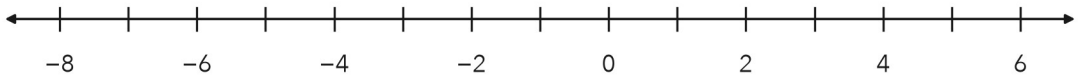
1. Order each set from least to greatest.

a. −5, −18, −11 _____

b. −4, 1.5, −0.5, 0 _____

2. **Golf Leaderboard.** Scores: Maya −2, Eli 3, Nora −6, Caleb 0, Priya 4. In golf, the least score leads.

Hint *|−6| = 6 and |4| = 4.*



a. Plot the scores. Order them from least to greatest. _____

b. Which score is farther from 0, −6 or 4? _____

c. Who is leading? _____

3. **Lake Floors.** Three lake floors sit at −245 ft, −812 ft, and −1,320 ft. Which floor is deepest?

Hint *The deepest floor is the least number.*

Show your work.

Deepest_____

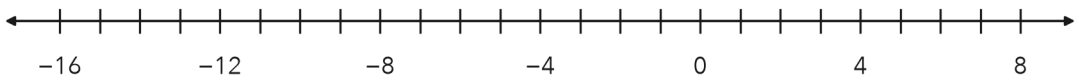
4. **Mixed Forms.** Order −3/4, −0.5, and −1.5 from least to greatest. Which is greatest?

Hint *−3/4 = −0.75.*

Show your work.

Greatest_____

5. Week of Lows. Low temperatures: −8, 6, −15, 0, and −3 degrees. Plot and order them from least to greatest. Name the coldest reading.



Coldest _____

6. Number Strip. A strip shows −1.5, −1.05, 3/4, and −2.6. Order them from greatest to least. Which has the greatest absolute value?

Hint *Write 3/4 as 0.75 first.*

Show your work.

Greatest |n| _____

7. Harbor Depths. A harbor chart lists −12 ft, −7 1/2 ft, 0 ft, and −12.5 ft. Order them from least to greatest. Name the deepest spot.

Hint *−7 1/2 = −7.5.*

Show your work.

Deepest _____

8. Five Readings. Sensors read 2.5, −1, −3/4, 0.5, and −1.5 degrees.

a. Write every reading as a decimal. _____

b. Order the readings from least to greatest. _____

c. Which reading is closest to 0? How do you know? _____

Show your work.

FIND THE ERROR

explain the mistake, then fix it

9. Malik's Work. Malik ordered −3, −12, and −7 from least to greatest as −3, −7, −12, because 3 is smaller than 7 and 12. Explain his mistake. Then write the correct order.

_____

_____

TEST PRACTICE

choose the best answer

10. The least of −6, −13, and −1 is –

A −6 **B** −13 **C** −1 **D** 0

11. The greatest of −3.6, −3.06, and −3.66 is –

A −3.6 **B** −3.06 **C** −3.66 **D** They are equal.

SELF-CHECK CODE *find your answer · copy its letter into that problem's box · spell a math word*

−1,320	−1.05	−6	−0.5	−12.5	0.5	−2.6	−15	−12	−245
R	Z	O	D	E	D	R	E	X	Q

#2b	#3	#4	#5	#6	#7	#8c

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #___