

Lesson 7-4 • Group 2

Reinforce Understanding

7.4 Small Group • Group 2

I can compare and order integers using a number line, explain how I can tell, and judge a case I have not seen before.

Worked model

In a quiz game Dana scored -1.25 points and Eli scored -0.75 points. Whose score was greater?

1. Plot both numbers. Mark quarters between the integers so each point lands exactly.
2. Find which point sits farther right. -0.75 sits right of -1.25
3. On a number line, right always means greater and left always means less.
4. Write the comparison with a symbol: $-0.75 > -1.25$

Answer: $-0.75 > -1.25$, so Eli's score was greater.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Plot these integers and write them in order from greatest to least: -8, 4, -3, 1, -1, 6

Mark and label each value on the number line.

Show your thinking

2. Compare each pair of integers using $<$, $>$, or $=$.

Complete the table. Show how you found each value.

Integer A	Integer B	Comparison ($<$, $>$, or $=$)
-4	2	
-7	-3	
0	-5	
-1	-1	
6	-9	

Show your work

3. Four spots: -3 m, 2 m, -7 m, 0 m. Order them from least to greatest.

Circle the letter of the best answer. Show how you know.

- A. -7, -3, 0, 2
- B. -7, -3, 2, 0
- C. -3, -7, 0, 2
- D. 2, 0, -3, -7

Show your work
