

Lesson 7-4

Reinforce Understanding

Compare and Order Integers and Rational Numbers

I can compare and order integers using a number line.

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. Which statement is TRUE?

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

- A. $-5 < -2$
- B. $-4 > 0$
- C. $-3 > -1$
- D. $-1 < -6$

Show your work

2. Drag to order these integers from LEAST to GREATEST.

Write the name of the correct group on each line.

Groups:

- _____ 3
- _____ -1
- _____ -6
- _____ 0
- _____ -4
- _____ 5

3. Plot -3, 1, -7, 4, and -1 on the number line to help you compare them.

Mark and label each value on the number line.

Show your thinking
