

Lesson 7-9 • Catch-up

Reinforce Understanding

7.4–7.9 Catch-Up

I can show I am caught up on Lessons 7.4–7.9 by using each lesson's big idea in mixed practice.

Worked model

Lesson 7.4 — Compare and Order Integers and Rational Numbers: The number farther to the left is always less; the number farther to the right is always greater.

1. Lesson 7.5 — Represent Rational Numbers on the Coordinate Plane: Always start at the origin (0, 0), move right/left first, then up/down.
2. Lesson 7.6 — Determine Distance on the Coordinate Plane: If points are on the same side of zero, subtract; if they are on opposite sides of zero, add the absolute values.
3. Lesson 7.7 — Represent Polygons on the Coordinate Plane: When two vertices share a coordinate, the side between them is the absolute difference of the coordinates that differ.
4. Lesson 7.8 — Ordered Pairs in All Four Quadrants: The signs of (x, y) tell you the quadrant: (+,+) is I, (-,+) is II, (-,-) is III, (+,-) is IV.
5. Lesson 7.9 — Reflect Points Across Axes: Reflect over the x-axis: the y-coordinate changes sign. Reflect over the y-axis: the x-coordinate changes sign.

Practice

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

1. (Lesson 7.4) 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. (Lesson 7.4) Which integer is the LEAST: -3, 5, -8, 2, 0?

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

- A. -8
- B. -3
- C. 0
- D. 5

Show your work
