

Lesson 8-7 • Catch-up

Reinforce Understanding**8.4–8.7 Catch-Up**

I can show I am caught up on Lessons 8.4–8.7 by using each lesson's big idea in mixed practice.

Worked model

Lesson 8.4 — Write and Represent Inequalities: 'At least' means $\geq$ and 'at most' means $\leq$; 'more than' means $>$ and 'fewer/less than' means $<$.

1. Lesson 8.5 — Understand Inequalities and Their Solutions: Closed circle for $\leq$ or $\geq$ (included), open circle for $<$ or $>$ (not included); shade right for greater, left for less.
2. Lesson 8.6 — Solve and Graph Inequalities: Solve with inverse operations, then graph the solution set: open circle for $<$ or $>$, closed for $\leq$ or $\geq$.
3. Lesson 8.7 — Equations and Inequalities Problem Solving: 'Equals' or 'exactly' points to an equation ($=$); 'at least, at most, more than, fewer than' points to an inequality.

Practice

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

1. (Lesson 8.4) Which inequality represents: 'The temperature is less than 40 degrees'?

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

- A. $t < 40$
- B. $t > 40$
- C. $t \leq 40$
- D. $t = 40$

Show your work

2. (Lesson 8.4) Which inequality represents: 'You must be at least 48 inches tall to ride'?

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

- A. $h \geq 48$
- B. $h > 48$
- C. $h < 48$
- D. $h \leq 48$

Show your work

3. (Lesson 8.5) Which graph represents $x < 5$?

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

- A. Open circle at 5, shaded left
- B. Closed circle at 5, shaded left
- C. Open circle at 5, shaded right
- D. Closed circle at 5, shaded right

Show your work
