

Lesson 8-3 • Catch-up

Reinforce Understanding

8.1–8.3 Catch-Up

I can show I am caught up on Lessons 8.1–8.3 by using each lesson's big idea in mixed practice.

Worked model

A stamp album has 7 pages that each hold p stamps. It holds 91 stamps in all. Solve $7p = 91$.

1. The variable p is multiplied by 7, so the inverse operation is division.
2. Divide BOTH sides by 7 so the equation stays balanced.
3. Left side: $7p \div 7$ leaves p . Right side: $91 \div 7$ gives 13.
4. Check: 7×13 makes 91, so both sides are equal.

Answer: $p = 13$, so each page holds 13 stamps.

Practice

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

1. (Lesson 8.1) Which equation represents: 'A number plus 12 equals 30'?

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

- A. $n + 12 = 30$
- B. $n - 12 = 30$
- C. $12n = 30$
- D. $n / 12 = 30$

Show your work

2. (Lesson 8.1) Which equation represents: 'Seven less than a number is 18'?

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

- A. $n - 7 = 18$
- B. $7 - n = 18$
- C. $n + 7 = 18$
- D. $n / 7 = 18$

Show your work

3. (Lesson 8.2) Solve: $x + 9 = 15$

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

- A. $x = 6$
- B. $x = 9$
- C. $x = 15$
- D. $x = 24$

Show your work
