

Lesson 9-3 • Catch-up

Reinforce Understanding

9.1–9.3 Catch-Up

I can show I am caught up on Lessons 9.1–9.3 by using each lesson's big idea in mixed practice.

Worked model

A table shows x : 1, 2, 3, 4 hours worked and y : 18, 36, 54, 72 dollars earned. Write an equation.

1. Define the variables: x = hours worked, y = total dollars earned.
2. Check each row for one rate: $18 \div 1$, $36 \div 2$, and $54 \div 3$ all give 18.
3. The constant rate is 18 dollars per hour, so y is 18 times x .
4. Write it: $y = 18x$. Test the last row: $18 \times 4 \rightarrow 72$, which matches.

Answer: $y = 18x$, where x is hours worked and y is total dollars earned.

Practice

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

1. (Lesson 9.1) Akela chooses how many hours of sunlight each tray gets. Which is the INDEPENDENT variable?

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

- A. Plant height
- B. Number of trays
- C. Hours of sunlight
- D. Number of seeds

Show your work

2. (Lesson 9.1) In Akela's experiment, which is the DEPENDENT variable?

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

- A. Hours of sunlight
- B. The kind of seed
- C. Plant height
- D. The size of the tray

Show your work

3. (Lesson 9.2) Football tickets cost \$45 each. What is the total cost of 3 tickets?

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

- A. \$45
- B. \$48
- C. \$90
- D. \$135

Show your work
