

Lesson 6-4 • Group 1

Reinforce Understanding

6.4 Small Group • Group 1

With my small group, I can write numerical expressions from a real situation and evaluate them using the order of operations, including powers — one step at a time, with support.

Worked model

A group buys 4 tickets at \$9 each and 3 programs at \$6 each. Write an expression for the total cost, then find it.

1. Name the parts. tickets: 4 at \$9 programs: 3 at \$6
2. Write a product for each part. 4×9 and 3×6
3. Join them with the operation the story needs. $4 \times 9 + 3 \times 6$
4. Evaluate. $36 + 18 = 54$

Answer: The expression is $4 \times 9 + 3 \times 6$, and the total cost is \$54.

Practice

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

1. What does 2^3 mean?

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

- A. $2 \times 2 \times 2$
- B. 2×3
- C. $2 + 2 + 2$
- D. 3×3

Show your work

2. Sofia buys 4 tickets at \$20 each and 2 tickets at \$15 each. Which expression shows the total?

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

- A. $4 \times 20 + 2 \times 15$
- B. $4 + 20 + 2 + 15$
- C. $(4 + 2) \times (20 + 15)$
- D. $4 \times 2 + 20 \times 15$

Show your work
