Name _____ Date _____ Period _____

Lesson 6-14

Reinforce Understanding

The Distributive Property

I can use the distributive property to expand and factor expressions.

Worked model

Each bundle has a ticket ($15) and a snack ($5). For 3 bundles I can write 3(15 + 5).

1. Way 1: add inside first. 15 + 5 = 20, then 3 × 20 = 60.
2. Way 2: distribute the 3 to each part. 3 × 15 + 3 × 5.
3. That is 45 + 15 = 60.
4. Both ways give $60, so 3(15 + 5) = 3 × 15 + 3 × 5.

Practice

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

1. Use the distributive property to expand each expression.

Complete the table. Show how you found each value.

Factored Form	Expanded Form
2(x + 5)	
4(3 + 7)	

Show your work

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2. Expand 6(n + 3) using the distributive property.

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

A. 6n + 18
B. 6n + 3
C. 6n + 9
D. n + 18

Show your work

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3. Expand 4(5 − 2) using the distributive property.

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

A. 9
B. 12
C. 20 − 2
D. 22

Show your work
