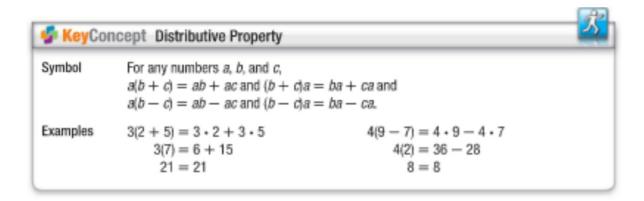
Alg 1 1.4

Use the distributive property to evaluate expressions Use the distributive property to simplify expressions

term like terms





Real-World Example 1 Distribute Over Addition

SPORTS A group of 7 adults and 6 children are going to a University of South Florida Bulls baseball game. Use the Distributive Property to write and evaluate an expression for the total ticket cost.

USF Bulls Baseball Tickets		
Ticket	Cost (S)	
Adult Single Game	5	
Children Single Game (12 and under)	3	
Groups of 10 or more Single Game	2	
Senior Single Game (65 and over)	3	

Source: USF

 SPORTS A group of 3 adults, an 11-year old, and 2 children under 10 years old are going to a baseball game. Write and evaluate an expression to determine the cost of tickets for the group. 	

Example 2 Mental Math

Use the Distributive Property to rewrite 7 • 49. Then evaluate.

GuidedPractice

Use the Distributive Property to rewrite each expression. Then evaluate.

2B.
$$44 \cdot 2\frac{1}{2}$$



Example 3 Algebraic Expressions

Rewrite each expression using the Distributive Property. Then simplify.

a. 7(3w - 5)

3A. (8 + 4n)2

3B. -6(r + 3g - t)

30. (2-5q)(-3)

3D. -4(-8-3m)