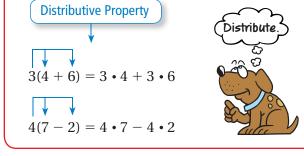

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REVIEW: Distributive Property

Key Concept and Vocabulary -



Skill Examples

1. $3(9+4) = 3 \cdot 9 + 3 \cdot 4$

3. $6 \cdot 8 + 6 \cdot 7 = 6(8 + 7)$

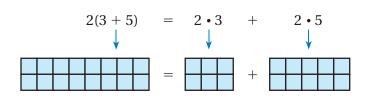
2. $7(10 - 3) = 7 \cdot 10 - 7 \cdot 3$

4. $12 \cdot 9 - 12 \cdot 2 = 12(9 - 2)$

5. $5(2+5+3) = 5 \cdot 2 + 5 \cdot 5 + 5 \cdot 3$

Visual Model

Name ____



Application Example

6. You buy 3 hot dogs for \$1.25 each and 3 sodas for \$0.75 each. Find the total cost.

$$3(1.25) + 3(0.75) = 3(1.25 + 0.75)$$

Check your answers at BigIdeasMath.com.

$$= 3(2.00)$$

= 6

The total cost is \$6.00.

PRACTICE MAKES *PURR*-FECT[™]

Use the Distributive Property to rewrite the expression.

7.	3(4 + 5) =	8.	5(8 - 3) =		 9.	9(11	+ 7) =		
10.	8(27 - 9) =	11.	6(17 - 7) =		 12.	4(7 +	3 + 2) =	:	_
13.	5 • 7 + 5 • 3	14.	$2 \cdot 9 - 2 \cdot 6 =$		 15.	7•4	$+7 \cdot 8 =$		
16.				17.		=		+	

- **18. MENTAL MATH** You buy 5 hot dogs for \$1.29 each and 5 sodas for \$0.71 each. Show how you can use mental math to find the total cost.
- **19. EXTENSION** Does the Distributive Property apply to a combination of addition *and* subtraction? Decide using the expression 3(7 + 5 4).