REVIEW: Distributive Property
Name $\qquad$


## Skill Examples

1. $3(9+4)=3 \cdot 9+3 \cdot 4$
2. $7(10-3)=7 \cdot 10-7 \cdot 3$
3. $6 \cdot 8+6 \cdot 7=6(8+7)$
4. $12 \cdot 9-12 \cdot 2=12(9-2)$
5. $5(2+5+3)=5 \cdot 2+5 \cdot 5+5 \cdot 3$

## PRACTICE makes PURR-FECT ${ }^{\text {™ }}$

## Application Example

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

$$
\begin{aligned}
3(1.25)+3(0.75) & =3(1.25+0.75) \\
& =3(2.00) \\
& =6
\end{aligned}
$$

Use the Distributive Property to rewrite the expression.
7. $3(4+5)=$ $\qquad$ 8. $5(8-3)=$ $\qquad$ 9. $9(11+7)=$ $\qquad$
10. $8(27-9)=$ $\qquad$ 11. $6(17-7)=$ $\qquad$ 12. $4(7+3+2)=$ $\qquad$
13. $5 \cdot 7+5 \cdot 3$ $\qquad$ 14. $2 \cdot 9-2 \cdot 6=$ $\qquad$ 15. $7 \cdot 4+7 \cdot 8=$ $\qquad$
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).
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