

Chapter 5 Expressions

Lesson 5-4 The Distributive Property

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3 Use the Distributive Property to evaluate the expression $-6 \cdot 9 - 4$.

$$\begin{aligned} -6 \cdot 9 - 4 &= -6 \cdot 9 - 4 \cdot 1 && \text{Use the Distributive Property.} \\ &= -54 + 24 && \text{Multiply.} \\ &= -30 && \text{Add.} \end{aligned}$$

13 Amelia bought roast beef for \$6.85 per pound. Find the total cost if Amelia bought 4 pounds of roast beef. Justify your answer by using the Distributive Property.

Rename \$6.85 as \$7.00 - \$0.15.

$$\begin{aligned} 4 \$7.00 - \$0.15 &= 4 \$7.00 - 4 \$0.15 && \text{Use the Distributive Property.} \\ &= \$28.00 - \$0.60 && \text{Multiply.} \\ &= \$27.40 && \text{Subtract.} \end{aligned}$$

The total cost of 4 pounds of roast beef is \$27.40.