

Lesson 4 Skills Practice

The Distributive Property

Use the Distributive Property to evaluate each expression.

1. $3(2 + 8)$

30

2. $(-3 + 4)2$

2

3. $-5(4 - 2)$

-10

4. $(12 + 13)(-2)$

-50

5. $8(10 - 4)$

48

6. $(-4 + -7)(-3)$

33

7. $(-7 + 3)4$

-16

8. $-1(18 - 11)$

-7

Use the Distributive Property to rewrite each expression.

9. $6(t + 2)$ **$6t + 12$**

10. $-5(4 + x)$ **$-20 - 5x$**

11. $(5 + v)(-3)$ **$-15 - 3v$**

12. $(w - 2)4$ **$4w - 8$**

13. $-7(8n - m)$ **$-56n + 7m$**

14. $(6 + d)(-6)$ **$-36 - 6d$**

15. $(4c + 2d)(-2)$ **$-8c - 4d$**

16. $-2(3f - 5g)$ **$-6f + 10g$**

17. **TRAIN RIDE** Mr. and Mrs. Caputo are taking their family into the city on the train. The cost per person is \$5.80. If there are 4 members in their family, how much does the train trip cost? Justify your answer by using the Distributive Property.

$$\mathbf{\$23.20; 4(\$6 - \$0.20) = 4 \cdot \$6 - 4 \cdot \$0.20 = \$24 - \$0.80}$$

18. **CAMPING** Chantee went camping over the weekend. The cost for the site was \$16.95 a night for three nights. How much did it cost her to camp? Justify your answer by using the Distributive Property.

$$\mathbf{\$50.85; 3(\$17 - \$0.05) = 3 \cdot \$17 - 3 \cdot \$0.05 = \$51 - \$0.15}$$