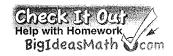
Answer her





Vocabulary and Concept Check

- 1. WRITING What can you conclude about the signs of two integers whose product is (a) positive and (b) negative?
- 2. **OPEN-ENDED** Write two integers whose product is negative.

Tell whether the product is positive or negative without multiplying. Explain your reasoning.

3. 4(-8)

4. -5(-7)

5. $-3 \cdot 12$

Tell whether the statement is true or false. Explain your reasoning.

- **6.** The product of three positive integers is positive.
- 7. The product of three negative integers is positive.



Practice and Problem Solving

Multiply.

- 1 2 8. 6·4
- **9.** 7(-3)
- **10.** -2(8)

- (2) $-6 \cdot 7$ -42 (3) $3 \cdot 9$ 27 (4) $8 \cdot (-5)$ -40 (5) $-1 \cdot (-12)$ 12 (6) -5(10) -50 (7) -13(0) (7) (8) $-9 \cdot 9$ -10 (9) 15(-2) -30
- **20.** $-10 \cdot 11$
- **21.** $-6 \cdot (-13)$
- **22.** 7(-14)
- **23.** $-11 \cdot (-11)$
- 24. JOGGING You burn 10 calories each minute you jog. What integer represents the change in your calories after you jog for 20 minutes?
- 25. WETLANDS About 60,000 acres of wetlands are lost each year in the United States. What integer represents the change in wetlands after 4 years?

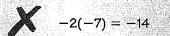
Multiply.

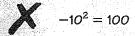
- **26.** $3 \cdot (-8) \cdot (-2)$
- **27.** 6(-9)(-1)

28. -3(-5)(-4)

- **29.** (-5)(-7)(-20)
- **30.** $-6 \cdot 3 \cdot (-2)$
- **31.** $3 \cdot (-12) \cdot 0$

Evaluate the expression.





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