

## Chapter 3 Integers

### Lesson 3-4 Multiply Integers

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**Multiply  $-4(-2)(-8)$ .**

$$(-4)(-2)(-8) = 8(-8)$$

$$= [-4(-2)](-8)$$

$$= 8(-8)$$

$$= -64$$

Associative Property

$$-4(-2) = 8$$

Simplify.



**Ethan burns 650 Calories when he runs for 1 hour. Suppose he runs 5 hours in one week. Write a multiplication expression to represent this situation. Then find the product and explain its meaning.**

The expression  $5(-650)$  represents the number of calories Ethan burns in 5 hours when he burns 650 Calories in 1 hour.

$$5(-650) = -3,250$$

So, Ethan burns 3,250 Calories each week.