



Name \_\_\_\_\_ Date \_\_\_\_\_

# Patterns on a Multiplication Table

**Objective 1**  
**TEKS 3.4A, 3.6A**

Solve each problem using the multiplication tables.

1. A square number is the product of two factors that are the same. Jack says 81 is a square number. Ralph says it is not. Who is right? Explain.

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3. Gordon is thinking of a square number that is even and has two digits that add up to 7. Jennifer is thinking of a square number that is odd and has two digits that add up to 7. What 2 numbers are they thinking of?

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5. Juanita is fascinated by the pattern of the 9s table. Every two-digit product adds up to 9. She says the pattern continues with three-digit products up to  $9 \times 20$ . Is she correct?

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2. Cal says that if a number is even, some of its multiples will be even and some will be odd. Is he correct?

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4. Peggy says that the pattern for the product of multiples of 3s is 3, 6, 9 until they reach double digits. What is wrong with her thinking?

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6. Henry says that any multiple of 8 is also a multiple of 2. Marcie says that any multiple of 8 is also a multiple of 4. Who do you think is right? Explain.

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