Name _____

Practice
5-7

Problem Solving: Make and Test Conjectures

Test these conjectures. Give three examples. Explain if the conjecture is *reasonable* or *not reasonable*.

1. If a number is divisible by 4, it is always an even number.

2. The product of two whole numbers is always greater than 1.

3. If a number has a 9 in the ones place, it is always divisible by 3.

4. The least common denominator of two fractions is always greater than the denominators of the fractions.

5. Write a conjecture about the product of two odd numbers. Then test your conjecture.

6. Write a conjecture about the sum of two fractions. Then test your conjecture.

7. **Reasoning** How is testing a conjecture like finding a statement true or false? How is it different?