Name _____

Practice
5-2

Prime Factorization

For **1** through **10** if the number is prime, write *prime.* If the number is composite, write the prime factorization.

1. 24 _____

2. 43 _____

3. 51 _____

4. 66 _____

5. 61 _____

6. 96 _____

7. 144 _____

8. 243 _____

9. 270 _____

10. 124 _____

Name _____

Practice
5-3

Greatest Common Factor

Find the GCF for each set of numbers.

1. 12, 48 _____ 2. 20, 24 _____ 3. 21, 84 _____

4. 24, 100 _____ 5. 18, 130 _____ 6. 200, 205 _____

Bake Sale Donations	
Muffins	96
Bread sticks	48
Rolls	84

7. The bake-sale committee divided each type of item evenly onto plates, so that every plate contained only one type of item and every plate had exactly the same number of items with no leftovers. What is the maximum number of items that could have been placed on each plate?

_____

8. Using this system, how many plates of rolls could the bake-sale committee make? _____

9. Using this system, how many plates of muffins could the bake-sale committee make? _____

10. Which of the following pairs of numbers is correctly listed with its greatest common factor?

A 20, 24; GCF: 4

B 50, 100; GCF: 25

C 4, 6; GCF: 24

D 15, 20; GCF: 10