

Greatest Common Factor

P 3-3

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 _____

7. **Number Sense** Name three pairs of numbers that have 5 as their greatest common factor. Use each number only once in your answer.

8. 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?

| Bake Sale Donations | |
|---------------------|----|
| Muffins | 96 |
| Bread sticks | 48 |
| Rolls | 84 |

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

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

Test Prep

11. 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

12. **Writing in Math** Explain one method of finding the greatest common factor of 48 and 84.

