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 _____

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

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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?   _____

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 to Explain Explain one method of finding the greatest
common factor of 48 and 84.

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