Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lesson #4: Greatest Common Factor Homework

1) Find the GCF for each set of numbers.

a) 42, 56 b) 8, 16, 40

2) The children in Mr. Ellis’s class assemble care packages for people serving in the military. Mr. Ellis has 30 decks of cards, 90 sets of stationary, and 75 crossword puzzle books. What is the greatest number of care packages that the children can make if they want to use all of the items and have the same number of each item in each care package? How many of each item will be in each package?

3) Pat is creating thank-you fruit baskets for the adults who will volunteer at Saturday’s Harvest Day event. She wants to make sure each basket contains an equal quantity of each type of fruit. She has 24 bananas, 12 apples, and 18 oranges. What is the greatest number of fruit baskets she could assemble so that each basket has an equal quantity of each type of fruit? How many bananas, apples, and oranges will be in each fruit basket if Pat decides to make the greatest number of fruit baskets?

Review Questions: **SHOW ALL WORK**.

4) 23.12 x 1.4 5) 826.2 8.1 6) 356.98 + 4.974