Greatest Common Factor and Least Common Multiple Practice

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_

Find the GCF.

1. 6, 39 \_\_\_\_\_\_\_\_\_\_\_\_\_ 2. 27, 54 \_\_\_\_\_\_\_\_\_\_\_\_\_

3. 30, 75, 105 \_\_\_\_\_\_\_\_\_\_\_\_\_

Find the LCM.

 4. 15, 20 \_\_\_\_\_\_\_\_\_\_\_\_\_ 5. 24, 32 \_\_\_\_\_\_\_\_\_\_\_\_\_

 6. 4, 10, 18 \_\_\_\_\_\_\_\_\_\_\_\_\_

7. Tim has 9 chocolate chip cookies and 18 peanut butter cookies. He wants to set them out in identical groups for his friends with none left over. What is the greatest number of groups he can make?

8. Derrick is thinking of a number that is divisible by 9 and 17. What is the smallest possible number that Derrick could be thinking of?

9. Josh has 9 wine glasses and 6 water glasses. He would like to set them up in identical groups with none left over. What is the greatest number of groups Josh can make?

10. Adam is passing out flyers for the Fall Festival. He passes out 13 red flyers to each restaurant and 20 orange flyers to each grocery store. He gave out the same number of red and orange flyers. What is the least number of flyers he could have distributed?