Chapter 1 Part 3 Post Test

1. Gina purchases materials to make watches for a jewelry show. There are 6 watch faces in a pack and 9 watch bands in a pack. What is the least number of watches Gina can make without having any supplies left over?
   A. 12
   B. 16
   C. 18
   D. 24

2. Stefani makes team shirts to sell at the basketball games. She puts one patch in the middle of each shirt. There are 3 patches in a pack and 5 shirts in a pack. What is the least number of team shirts Stefani can make without having any supplies left over?
   A. 3
   B. 5
   C. 8
   D. 15

3. Leslie baked 64 chocolate chip cookies and 88 peanut butter cookies. She wants to place the cookies in snack bags for a party. Each snack bag will contain the same number of cookies and contain only one type of cookie. If she places the greatest number of cookies in each snack bag, how many snack bags contain peanut butter cookies?
   A. 2
   B. 4
   C. 8
   D. 11

4. Sarah makes necklaces to sell at the craft festival. She uses one pendant for each necklace. There are 4 ribbons in a pack and 6 pendants in a pack. What is the least number of necklaces Sarah can make without having any supplies left over?
   A. 8
   B. 12
   C. 18
   D. 24

5. Caleb's bookcase holds 16 nonfiction books and 12 fiction books. Each shelf holds the same number of books and contains only one type of book. Each shelf holds the greatest number of books possible. How many shelves does the bookcase have?
   A. 7
   B. 4
   C. 3
   D. 2
6. Mr. Gentry teaches two science classes. There are 28 students in his biology class and 21 students in his environmental science class. He divides both classes into equal-sized lab groups. Each science class has their own lab groups. What is the greatest number of students in each lab group?
   A. 4
   B. 5
   C. 6
   D. 7

7. Use the GCF and the distributive property to express $8 + 12$ as ____(___ + ___)___

8. Use the GCF and the distributive property to express $15 + 25$ as ____(___ + ___)___

9. Use the GCF and the distributive property to express $36 + 24$ as ____(___ + ___)___

10. Use the GCF and the distributive property to express $42 + 14$ as ____(___ + ___)___