Pascal Petals

1. Choose ANY cell on Pascal's Triangle that is surrounded by six other cells. Shade this cell using a black or gray pencil.

2. Starting with the petal above and to the left of the center, color alternating petals any color of your choice. The numbers you colored are _____, _____ and _____.

3. Color the three remaining petals around the center another color. These numbers you colored are _____, _____ and _____.

4. The product of the first group of number is _____.

5. The product of the second group of numbers is _____.

6. What do you notice about the products in #4 and #5? _____

7. Write the prime factorization of each number in the first group.

   _____   _____   _____

8. Write the prime factorization of each number in the second group.

   _____   _____   _____

9. Find the Least Common Multiple of the first three numbers. _____

10. Find the Least Common Multiple of the second three numbers. _____

11. Write an explanation discussing why the LCM of the two sets of numbers are equal.

    _____

    _____

    _____

    _____

    _____