Patterns in the Multiplication Table

Materials: copies of multiplication table

1. Color all the multiples of 9 between 0 and 90 on a multiplication table. What do you notice about the sum of the digits in each product? Explain your thinking.

2. The product of any number multiplied by itself is called a square number (e.g. 6 x 6 = 36, so 36 is a square number). Color all the square numbers on the multiplication table. What do you notice about the squares you colored?

3. Look carefully at the multiplication table. Write about other patterns that you discover.
Patterns I found in the multiplication table: