

Coloring Multiples

1. Using the divisibility rule for 3, how can you determine which numbers are one less than a multiple of 3?

2. Using the divisibility rule for 3, how can you determine which numbers are two less than a multiple of 3?

3. Use the divisibility rule for 3 to color all the cells of Pascal's Triangle that contain a multiple of 3 the same color. Using a different color, shade all the cells of Pascal's Triangle that contain a number 1 less than a multiple of 3. With yet a different color, fill in all the cells of Pascal's Triangle that contain a number 2 less than a multiple of 3.

Describe the result.

4. Choose a number between 4 and 9. ____ State the divisibility rule for your chosen number.

Color the multiples of that number one color, all numbers one less than that number another color, all numbers two less than that number another color, all numbers three less than that number another color, etc. Describe the result.
