Patterns in Numbers

Number patterns are like secret codes. Once you understand what the pattern is, you have the ability to extend the pattern. Create some number patterns and then share them with others in your class. See if you can "unlock the codes" of your classmates' number patterns.

1. The number pattern, "1, 4, 13, 16, 25…" is a two-addition pattern. The pattern is "+3, +9, +3, +9…" Create another pattern that is a two-addition pattern. Show at least ten numbers in your pattern.

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2. What is the number pattern in this sequence, "50, 60, 55, 65, 60, 70…?" Create another sequence of numbers using the same operations. Show at least ten numbers in your pattern.

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3. You can also use multiplication and division to create patterns. Create a pattern in which all numbers will be even numbers. Use at least three operations. Show at least ten numbers in your pattern.

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4. Create a pattern in which all numbers will be odd numbers. Use at least three operations. Show at least ten numbers in your pattern.

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5. A pattern needs to contain sufficient numbers to establish the pattern. Find at least three ways that these numbers could start a pattern: 2, 4… Then find the next five numbers in each pattern.

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