Circle Fever

Case 1   Case 2   Case 3
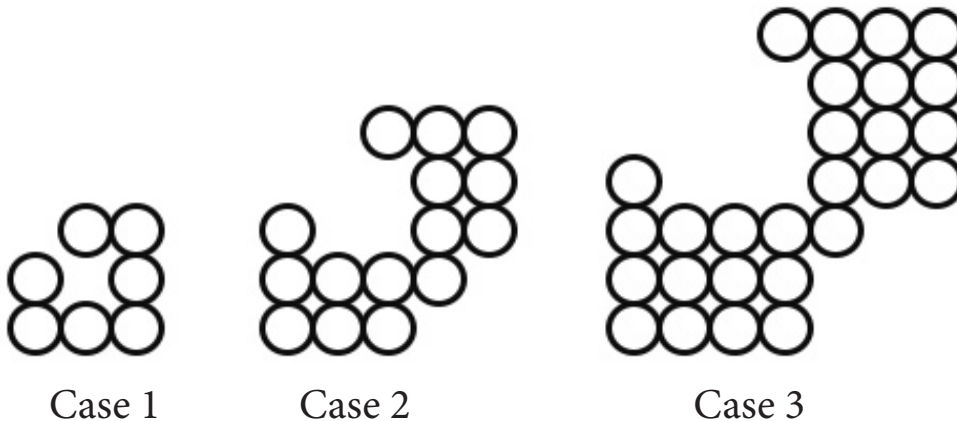
1. How do you see the pattern growing? Where do you see the new circles being added when you move from case 1 to 2? Where do you see the new circles being added when you move from case 2 to 3?

2. What would the 10th case look like?

3. What would the 100th case look like? How many circles would be in the 100th case?

4. How many circles would be in the 0 case? What would it look like?

5. What would the -1 case look like?

6. Model the pattern with a rule or expression?

7. Write a rule for the number of circles in the 100th case?

Inspired by http://www.visualpatterns.org