Patterns and functions

1. **Read pages 242-246**

a. How is context helpful for understanding functions?

b. How is a recursive formula different from an explicit formula?

**Practice investigating and explaining geometrically described growing patterns**. For each pattern, you should:

1. Describe how the pattern grows geometrically in a recursive way.
2. Describe how the number pattern grows in a recursive way (table and words)
3. Describe how the geometric pattern in an explicit way (must match d)
4. Give an explicit equation for the number pattern (must match c)

2. a-d Do the patterns in Fig 12.9

3-4: do 2 patterns of your choice from <http://www.visualpatterns.org/>