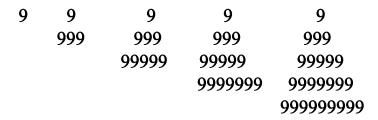


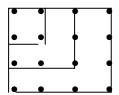
## Patterns In Our World Name\_\_\_\_\_

Patterns can be found all around you. <u>Sketch</u> the next two pictures for the patterns shown below, and then <u>describe</u> the pattern that helped you know what to sketch.

1. A pattern that often occurs in building is called a triangular pattern. Here's what this pattern looks like:



2. Some Native American designs include square patterns that look like this



- 3. The number of petals on a pinecone or sections around a pineapple increase in a sequence known as a Fibonacci Sequence named for the mathematician who discovered it. If the sections were unwound and laid in rows, they would look like this:
- 4. A game where a ball moves through a maze to an end point can have several paths the ball could follow to get there. The number of paths can often be modeled by another famous sequence known as Pascal's Sequence named for the mathematician who discovered it.

5. On the back of this paper, sketch a pattern of your own. <u>Explain</u> how you know what each step of the pattern will be.