Look at the figures below.

Figure 1 Figure 2 Figure 3

Complete the following sentence:

As the figure number changes, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ also changes.

Figure 1 Figure 2 Figure 3

1. Draw the next two figures.

Figure 4:

Figure 5:

|  |  |
| --- | --- |
| **Figure Number** | **Number of \_\_\_\_\_\_\_\_** |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |
| **5** |  |

1. Complete the table to the right.
2. In a few sentences, describe what the tenth figure would look like.
3. Explain how you would figure out the number of \_\_\_\_\_\_\_\_ in the 99th figure.
4. **BONUS QUESTION**: In a few sentences, describe how you would determine how many \_\_\_\_\_\_\_\_ there are in any figure in the pattern.