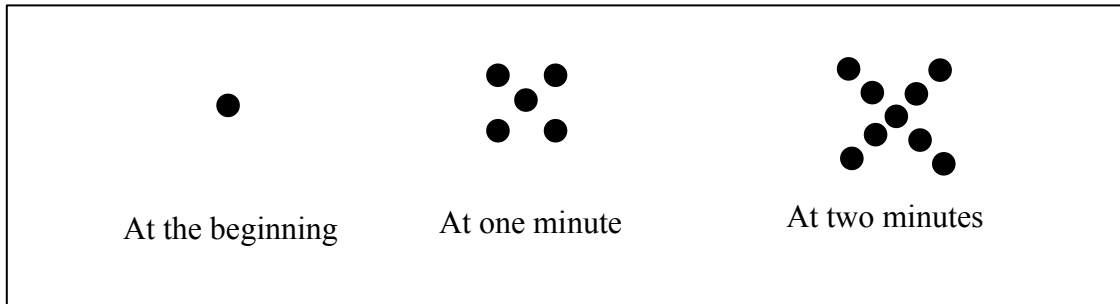


## Growing Dots



**Respond to the following:**

- 1. Distinguish the pattern that you see in the above sequence of figures. Assuming the sequence continues in the same way, calculate the number of dots there will be at 3 minutes? 100 minutes?  $t$  minutes?**

**Solve the problem by your preferred method. Your solution should indicate how many dots will be in the pattern at 3 minutes, 100 minutes, and  $t$  minutes. Did you think about these problems in different ways? Be sure to show how you arrived at your solution. How does your solution relate to the picture?**