1.2 Growing Dots

A Develop Understanding Task

At the beginning	At one minute	At two minutes
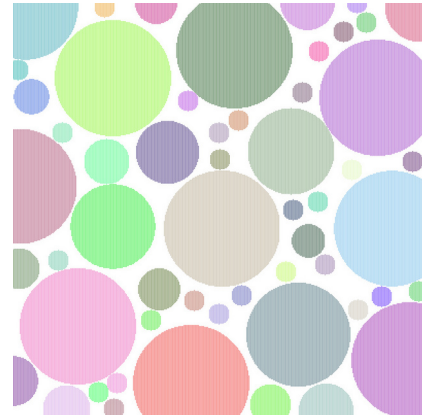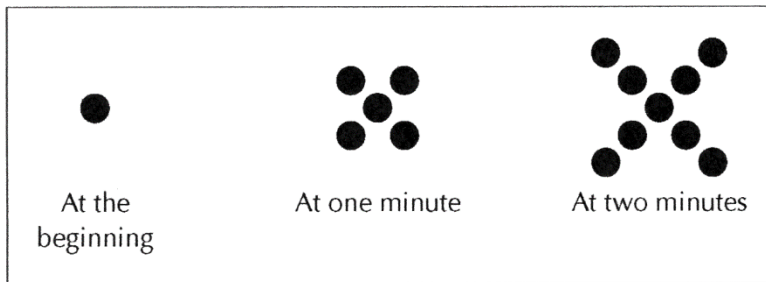
1. Describe the pattern that you see in the sequence of figures above.

2. Assuming the pattern continues in the same way, how many dots are there at 3 minutes?

3. How many dots are there at 100 minutes?

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4. How many dots are there at t minutes? Solve the problems by your preferred method. Your solution should indicate how many dots will be in the pattern at 3 minutes, 100 minutes, and t minutes. Be sure to show how your solution relates to the picture and how you arrived at your solution.