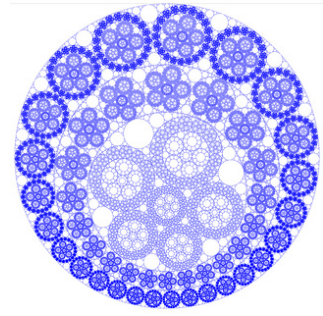


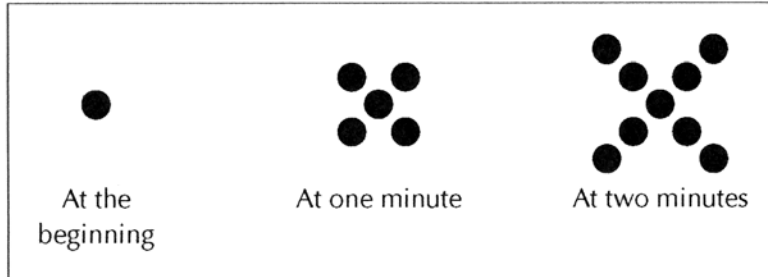
# Growing Dots\*

## *A Develop Understanding Task*

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1. Describe the pattern that you see in the sequence of figures above.
2. Assuming the sequence continues in the same way, how many dots are there at 3 minutes?
3. How many dots are there at 100 minutes?
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.

\*Adapted from: "Learning and Teaching Linear Functions", [Nanette Seago](#), Judy Mumme, Nicholas Branca, Heinemann, 2004.

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