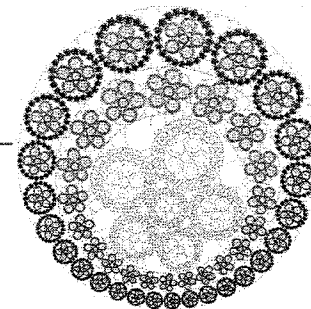
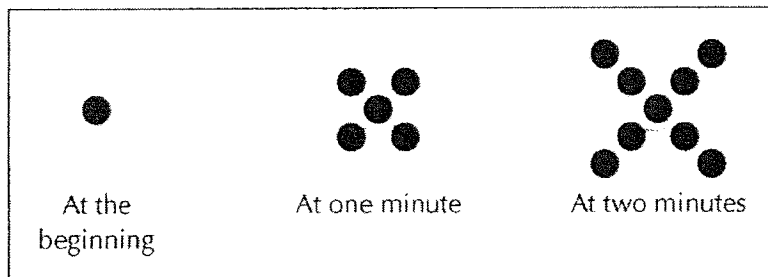


3.1 Growing Dots

A Develop Understanding Task



© 2012 www.flickr.com/photos/fdecomite



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.