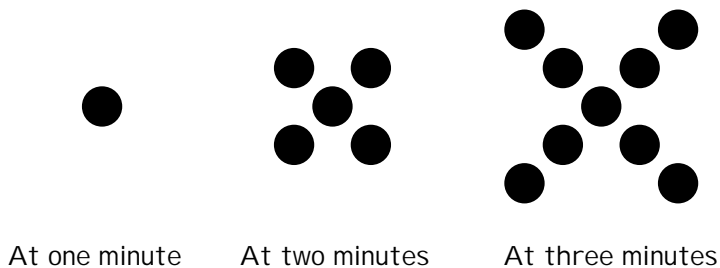


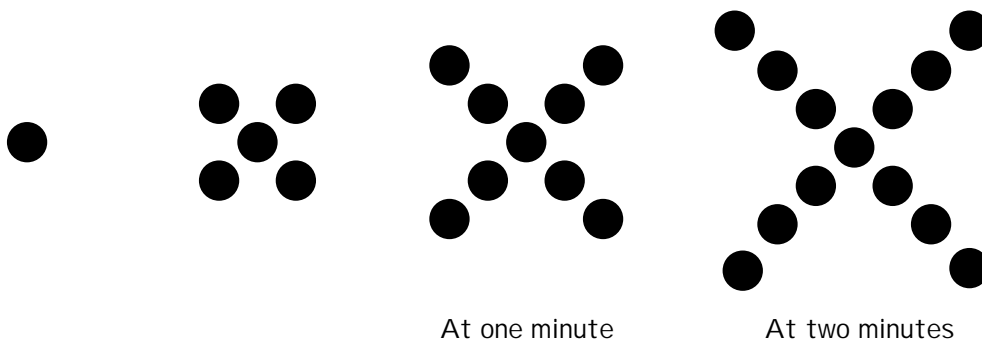
Session Five
Conceptualizing and Representing Linear Relationships
Tasks: Growing Dots 2, Growing Dots 3, Extension

Growing Dots 2



Assuming the sequence continues in the same way, how many dots are there at 100 minutes? t minutes? Create a table and graph. Write an equation for the number of dots at t minutes.

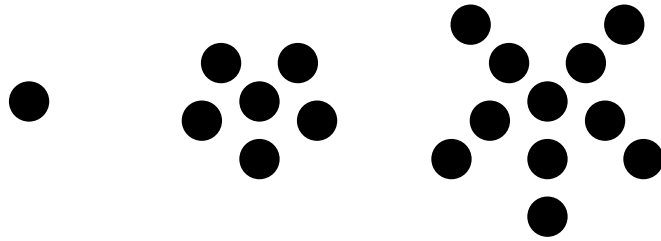
Growing Dots 3



Using the same pictorial sequence from Growing Dots 1 and Growing Dots 2, but a different beginning point, describe the pattern you see. Assuming the sequence continues in the same way, how many dots are there at 100 minutes? Create a table and graph. Write an equation for the number of dots at t minutes.

Growing Dots Extension

Suppose another "arm" is added as in Growing Dots 1.



At one minute

At two minutes

At three minutes

What is similar/different in this situation? What has changed from the patterns you worked on today? What do you predict will happen to the equation? To the graph?