SECONDARY MATH 1 // MODULE 1

SEQUENCES – 1.3

1.3 Growing, Growing Dots

A Develop Understanding Task

At the
beginning

At one minute

At two minutes

At three minutes

At four minutes
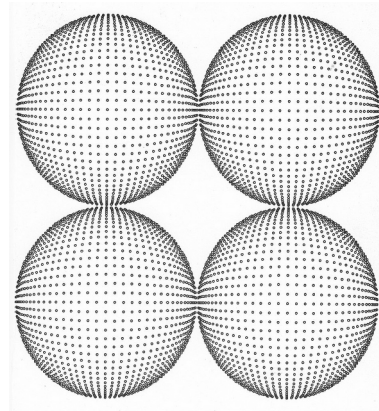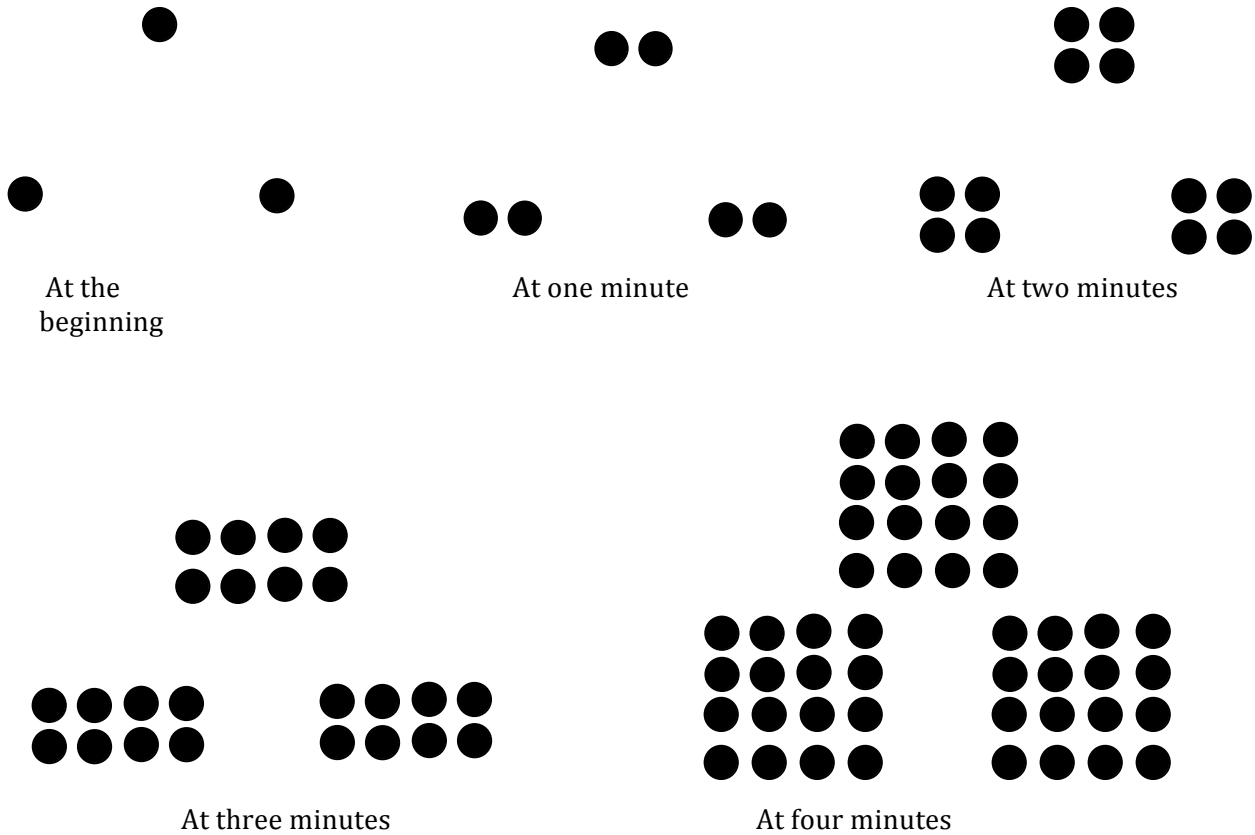
1. Describe and label the pattern of change you see in the above sequence of figures.

2. Assuming the sequence continues in the same way, how many dots are there at 5 minutes?

3. Write a recursive formula to describe how many dots there will be after t minutes.

4. Write an explicit formula to describe how many dots there will be after t minutes.