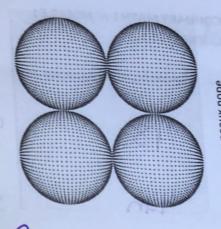
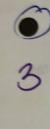
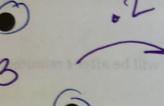
1.3 Growing, Growing Dots

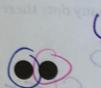
A Develop Understanding Task

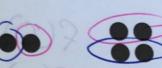


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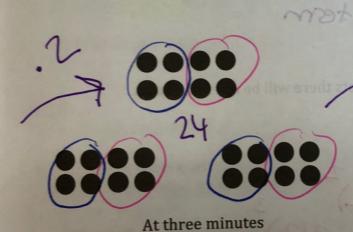




At the beginning

At one minute

At two minutes



48



At four minutes

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

The previous term is doubling

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SECONDARY MATH 1 // MODULE 1 SEQUENCES - 1.3

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

A Develop Understanding Task & P

Sth

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

in dots 2 0 32.2 2 12

3 24

a to describe how many f(0) = 3 f(t) = 2 f(t-1) f(t) = 2 f(t-1) f(t) = 2 f(t-1) f(t) = 3 f(t) = 3

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

 $\frac{t}{min} | \frac{dots}{dots} | \frac{2}{3(2)} | \frac$

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