

Name:

Date:



HARRY O'MALLEY

# Smoosh Depth vs Object Width - Linear - Lesson 4

## CONCRETE TO MATH, WORDS, AND SIMULATIONS

### #0 - Teacher hands out the following materials to each student

1 ruler, 1 copy of this handout, 1 calculator, 1 pencil

### #1 - Students open and teacher projects the Smoosh Math - Concrete to Everything video

### #2 - Teacher models the first example below, then students complete the rest

The problems below involve watching the Concrete to Math Smoosh Video. In the video, there are four different smoosh sequences. Your job is to describe each smoosh sequence using a mathematical function. Measure the smoosh depth and width in cm by placing the ruler directly on your computer's monitor. Record smoosh depth and width data below in a table. Then write a function that models the data, and describe the relationship in words. Finally, check the accuracy of your functions by creating a simulation.

1.

2.

Function for the first smoosh sequence:

Function for the second smoosh sequence:

Describe the smoosh sequence in words:

Describe the smoosh sequence in words:

3.

Function for the first smooch sequence:

Describe the smooch sequence in words:

4.

Function for the first smooch sequence:

Describe the smooch sequence in words: