

Name: _____

Date: / /

You can make your own units

Using a sheet of graph paper, draw a line segment bigger than the width of your thumb and smaller than the width of the paper. Write your name under the segment.

This segment is your personal **unit of length** – the Olivia, the Julio, the Nyasha, etc. Here is an example of what your page might look like (if your name were Alexandra):



- A. How wide is your desk or table in your personal unit? _____
- B. How deep (front to back) is your desk/table? _____
- C. How tall do you think you are in your unit? _____

Pause for class discussion of the above questions.

- D. Draw a square on your graph paper with all four sides equal to one of your personal units (for example, 1 Nyasha wide by 1 Nyasha high, which is 1 square Nyasha or 1 Nyasha²).
- E. Find the area of your desk in the square unit of your personal unit. It will help to cut out a copy of your square unit. How many are needed to cover your desk without overlap or extending beyond the desk? You can and should use fractions of your unit as needed. Show your work and layout here.