1. **Open GIMP.** Press the windows key, then type “GIMP”. Windows should automatically search for and find GIMP. Click on the GIMP icon to open the program.
2. **Open the scan.** GIMP has three windows: Toolbox, Layers, and GNU Image Manipulation Program. Simply click and drag the next subject’s scan onto the GNU Image Manipulation window to open it.
3. **Select the measure tool.** It’s in the toolbox window. It looks like a caliper. You can also just type SHIFT+M to select it.
4. **Measure the left and right index and ring fingers.** Measurement should start at the tip of the finger and extend all the way to *the middle of the crease closest to the palm.* At the bottom of the window, GIMP shows a caliper icon and shows some numbers: length (in pixels) and angle (in degrees). Log both these numbers in your spreadsheet.
5. **When finished,** click the red box to close the image. Drag the next image on and wash, rinse, repeat.

Remember that accuracy of measurement is important, so please be careful. Don’t freak out trying to make it absolutely perfect, though since I will have several people doing hand measurement.

Here are some tips to help with measurement:

* You don’t have to cover the whole distance perfectly on the first click. You can click and drag either of the points around to adjust.
* You can use the mousewheel to scroll up and down the image.
* If you hold down the CTRL key, scrolling the mousewheel will zoom you in and out.

If you are having trouble finding the crease, there are a few things you can try:

First, you can try converting the image to black and white. Go to the menus at the top. Choose Colors -> Colorize. Set “Hue” and “Saturation” to 0 and hit OK.

Second, you can try increasing the contrast. Go to the menus. Choose Colors -> Brightness/Contrast. Nudge the Contrast meter up a bit until the crease is more obvious.

Finally, you can try sharpening the image. Go to the menus. Choose Filters -> Enhance -> Sharpen. Increase the sharpness until the crease is more pronounced.

**IMPORTANT:** If you apply any of these adjustments, go to File -> Save As and save the modified image as a new file. Make a note in the spreadsheet that you edited the image.