



Record your measurements from the illustration above.

L1	L2
Top of Head to Chin = ____ . ____ cm	Width of Head = ____ . ____ cm
Top of Head to Pupil = ____ . ____ cm	Pupil to Lips = ____ . ____ cm
Tip of Nose to Chin = ____ . ____ cm	Pupil to Tip of Nose = ____ . ____ cm
Width of Nose = ____ . ____ cm	Tip of Nose to Lips = ____ . ____ cm.
Distance Between Outside Edges of Eyes = ____ . ____ cm	Hairline to Pupil = ____ . ____ cm
Tip of Nose to Chin = ____ . ____ cm	Lips to Chin = ____ . ____ cm
Length of Lips = ____ . ____ cm	Width of Nose = ____ . ____ cm

- Enter the two lists in the graphing calculator using L1 and L2.
- Set up L3 to be the ratio of L1 to L2 or L1/L2.
- What do you notice about the ratios?
- What does it mean when the ratios are all about the same quantity?
- Return to the homescreen and find the mean of L3 using the Mean command on the calculator.
- Did you end up with a number about 1.618? This number is called the golden ratio. You may want to investigate more about this number.