

Measuring (No ke Ana 'Ana)

Materials:

4 fresh ti leaves string large paper clips
4 dry ti leaves tape wooden chop sticks
ruler

*Use same ti leaves from previous lesson on "Estimating".

Steps: (Use same student groupings from previous lesson.)

Length:

1. Using a string, measure the length of each fresh ti leaf from tip to bottom of stalk, then cut the string. Measure the string using a ruler to the closest inch and record data on chart below. Then using the Hawaiian form of measurement, measure the string and record data. Use the same method to measure the dry ti leaves.

Weight:

1. Measure a piece of string 20 inches long and cut. Tie one end of this string in the middle of a chop stick that has already been split in half. Tape the other end of the string to the edge of a table. The chop stick should be balanced, if not, adjust until balanced and level with the floor below.

2. Tape one fresh ti leaf to one end of the chop stick. Using large paper clips, rebend clips so that they can easily hang on the other side of the chop stick, hanging as much clips needed until chopstick is balanced. Write the data below on the chart. Use the same method to measure the dry ti leaves.

Fresh Ti Leaves	Length (in.)	Length (Hawai'i)	Weight
#1			
#2			
#3			
#4			

Dry Ti Leaves	Length (in.)	Length (Hawai'i)	Weight
#1			
#2			
#3			
#4			

Conclusion:

1. Looking at all the data collected, compare your findings with the data collected above to your estimated data on the previous lesson.

Extension:

Save the fresh ti leaves labelled 1 - 4 until dry. When completely dry, remeasure its length and weight and compare it to its measurements and weight when it was fresh.