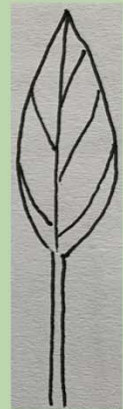


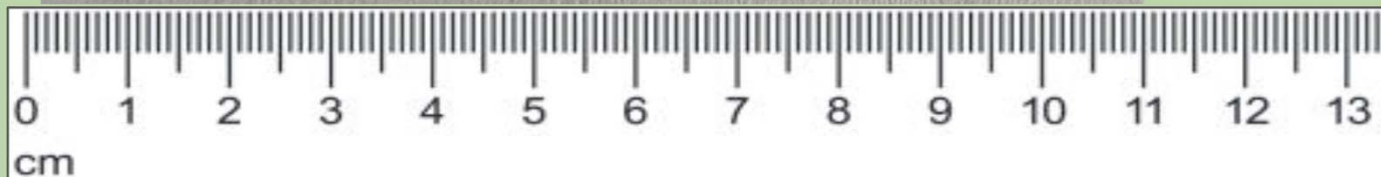
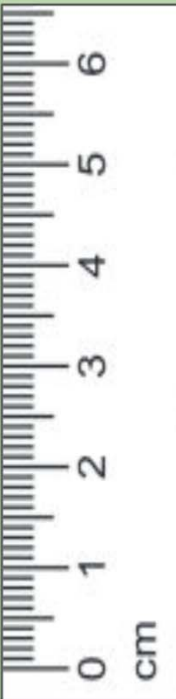
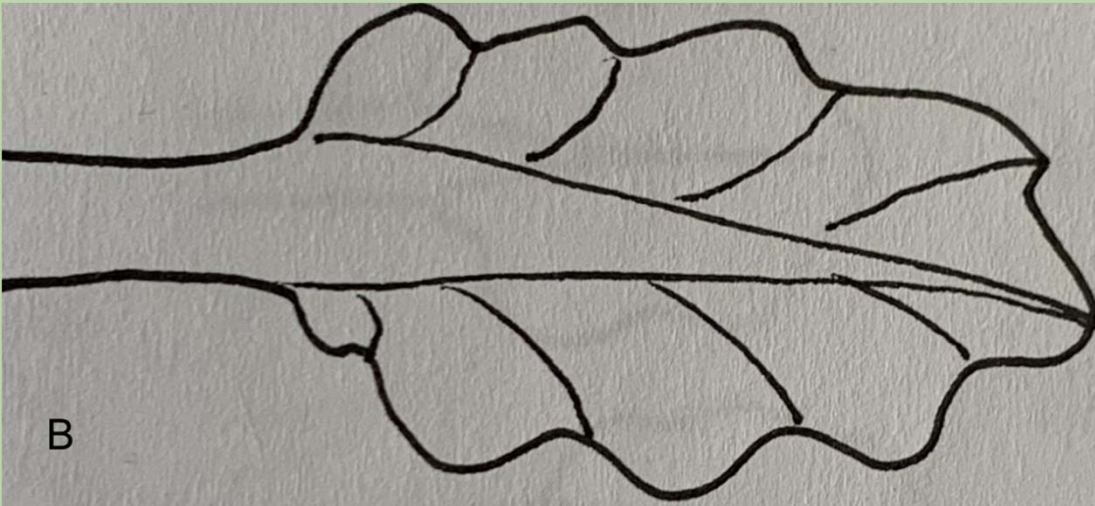
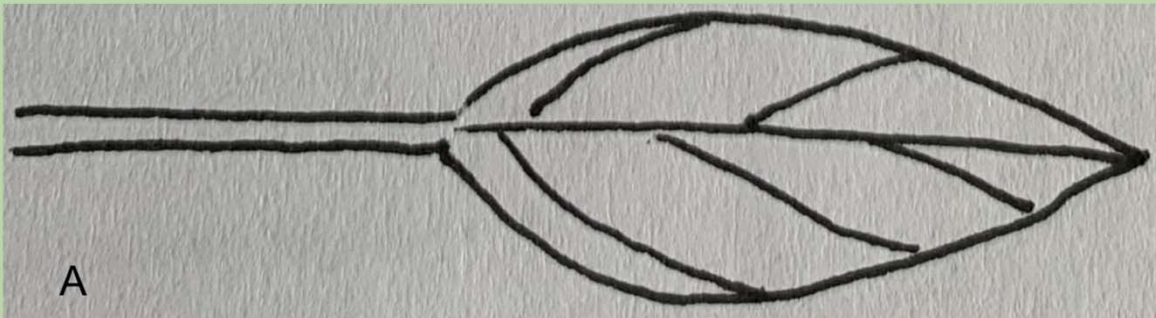
May moved into a new house with a garden. The plants have no labels. She has collected the largest leaf from each plant so she can observe them and find out if she has more than one kind of plant.

1.a Do you think she has more than one kind of plant in her garden? (You can move the leaves around to group or sort them.)



1.b If you find more than one type of plant, what characteristics does each group share?

2. May uses measurement to compare her leaves. Help May measure and record the leaf length and leaf width for these two leaves. (You can drag the leaves to the ruler.)

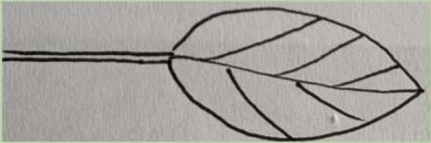
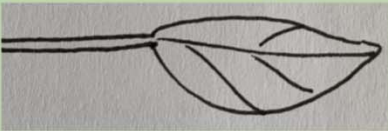
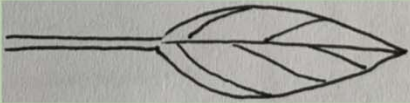
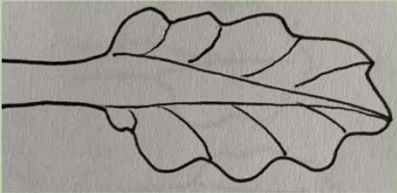
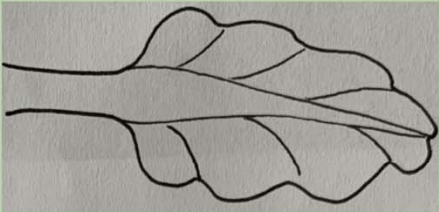
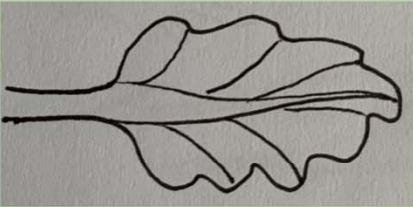
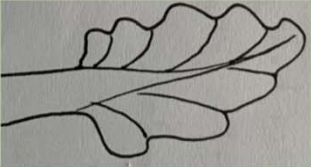


A. Leaf width____, Leaf length____

B. Leaf width____, Leaf length____

May measured leaf width for her plants and used the information to make the histogram below. Help her use the histogram to answer these questions.

- 1. How many leaves are there with leaf widths larger than 7 cm?
- 2. How many leaves are there of each plant type?
- 3. What is the range of leaf widths for each plant type?

3-5 cm				
>5-7 cm				
>7-9cm				
>9-11cm				

Rubric

Skills	Beginning	Developing	Accomplished
Observes qualitative and quantitative attributes that can be used to classify groups	Does not recognize that plants can be sorted into groups, or sorts into groups but does not name qualitative or quantitative attributes that can be used to recognize groups	Sorts plants into groups and names either one or more qualitative or one or more quantitative attributes that can be used to recognize groups	Sorts plants into groups and names both qualitative and quantitative attributes that can be used to recognize groups
Measurement	Does not measure leaves.	Measurements for leaf traits are inaccurate.	Measurements for leaf traits are accurate.
Uses histogram to solve comparison and put-together problems	Is unable to read the histogram without assistance; or does not answer the questions accurately.	Uses the information on the histogram to answer one or two but not all questions accurately.	Uses the information on the histogram to answer all questions accurately, both the put-together, and the compare problems.