*Identify the number of stems, nodes, leaves, and note important characteristics* ***visible*** *on the plant in each photo. Because they can be difficult to see in photos,* ***assume*** *all nodes come in pairs, so you should always have an even node count. Note that all measurements are easier on real plants, but this is an opportunity to test your understanding.*

*Picture 1*

**Stems: 1 Nodes: 14 (note the bottom pair with no leaves visible above the blue box).**

**Leaves: 12 Other characteristics present: Note that the top pair of leaves attach to nodes that are more than 1 mm from the nodes below, so we count these nodes and leaves.**

*Picture 2*

**Stems: 1 Nodes: 16 (note the bottom pair with no leaves just visible against the white background).**

**Leaves: 11 Other characteristics present: There is a lot of leaf damage visible on this plant, and the top nodes may have been chewed off.**

*Picture 3*

**Stems: 2 Nodes:** 22 (on main stem only)

**Leaves:** 22 (on main stem only) **Other characteristics present:** There are two separate stems in this picture that emerge in different places from the ground. Recall that in the field, you will count the total number of nodes and leaves on all stems coming from your assigned pot. Notice the flower umbel; when pollinated, this may go on to become one or more seed pods. Note that there may be smaller leaves at the very top of the main stem that could be counted if they are attached to nodes that are more than 1mm from the nodes below. We can’t tell in this picture.

*Picture 4*

**Stems: 1 Nodes:** 16

**Leaves: 13 Other characteristics present: The stem branches, but there is only one stem emerging from the ground. Also, there are tiny leaves at the tops of each branch, but we don’t count them because their nodes are less than 1 mm from the nodes below.**

*Picture 5*

**Stems: 1 Nodes:** 16

**Leaves:** 10 **Other characteristics present:** Note that many of the bottom leaves have fallen off the plant. This is common. You can usually feel along the stem for the bumps that are the nodes. Here, 3 pairs, or 6 nodes are visible above the blue box and below the first pair of leaves. The top two tiny leaves on this plant are not counted because they attach to nodes that are less than 1 mm above the nodes below.