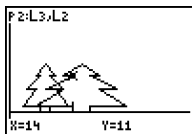


Before you press GRAPH try to predict what will happen to the tree and explain why you think that will happen.



Press GRAPH and confirm or alter what you were thinking about. Discuss with your neighbor what you see on the graph.



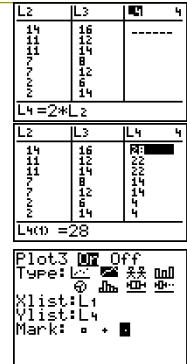
Press TRACE to check the coordinates of the parts of the tree. Use the up and down arrows to move between the trees. Use the left and right to move around the tree.

Changing the Tree

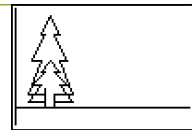
Let's try to change the tree. Press LIST and use the arrows to move to the top of the list L4. At the bottom of the screen you should see a line that say L4=. Enter the equation $L3 = 2 * L1$.

Turn off Plot 2. Press Y= and un-highlight Plot 2.

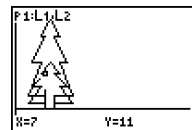
Set up Plot 3 similar to Plot one but let the X list be L3. This will create two trees on the graph.



Before you press GRAPH try to predict what will happen to the tree and explain why you think that will happen.



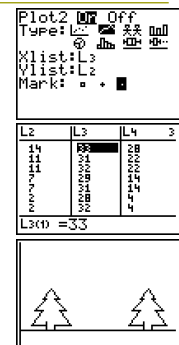
Press GRAPH and confirm or alter what you were thinking about. Discuss with your neighbor what you see on the graph.



Press TRACE to check the coordinates of the parts of the tree. Use the up and down arrows to move between the trees. Use the left and right to move around the tree.

Let's Translate the Tree

- Press LIST
- Turn off Plot 3 and make sure Plot 2 is set up as illustrated.
- Let's add 25 to each x-coordinate.
 - Move to top of L3 and type in $L1 + 25$
- Make a prediction on what will happen to the tree.
- Press GRAPH



Let's Create a Scatter plot

- In this activity you will
 - collect some data
 - Enter the data in the calculator
 - Build an appropriate window
 - Set up a Scatter plot
 - Try to fit a line through the data

