



Activity I: Plant Growth

Constant or Linear Growth

1. Let's simulate an imaginary plant's growth. Assume that this plant grows at a constant rate. The length of the stem increases by 11 millimeters each day.
 - a. Make a table of the plant's height over a 10-day period.
 - b. Make a graph of the plant growth over time in days.
 - c. Predict the plant's growth over a 100 day period.

2. Consider another plant that has a height of 30 millimeters when it is first measured and suppose it grows continuously at a rate of 8 millimeters per day.
 - a. Make a table of the plant's height over a 10-day period.
 - b. Make a graph of the plant heights.
 - c. Predict the plant's height on the 100th day after it was first measured.
 - d. Do you feel that the plant growth in these two problems is realistic? Explain.