

Algebra
Unit 2 Line Master 6**In-tree-polating
and Ex-tree-polating**

The nursery measures a tree of the same variety and finds that it is already 305 cm tall.

| Term Number (Months) | Term Value (Height, in cm) |
|---------------------------------|---------------------------------------|
| 0 | 305 |
| 5 | 325 |
| 10 | 345 |
| 15 | 365 |
| 20 | 385 |

1. How would you change the equation $H = 4m$ to represent the new situation?
2. Use grid paper or graphing technology to graph the five points given in the table. Then, graph your equation.
3. How can you use the points to verify if your equation is correct?
4. Use the graph to predict how tall the tree will be after 18 months.
5. Use the graph to predict how tall the tree will be after 90 months.