**Exit Slip – Corn Stalks**

1. In July, you begin measuring the height of a corn stalk in a nearby field. You collect the following data.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Number of Days** | 0 | 1 | 2 | 3 | 4 |
| **Height of Corn Stalk (cm)** | 20 | 22.5 | 25 | 27.5 | 30 |

1. Make a graph showing the relationship between the number of days and the height of the corn stalk. Label and scale the axes appropriately.



1. Write a recursive rule to explain the pattern.
2. Write an explicit rule for the height of the corn stalk, *h*, after any number of days,*n*.
3. How tall is the stalk after 10 days? Explain how you arrived at your answer.
4. Do the heights of the corn stalk form an arithmetic sequence? Explain why?