

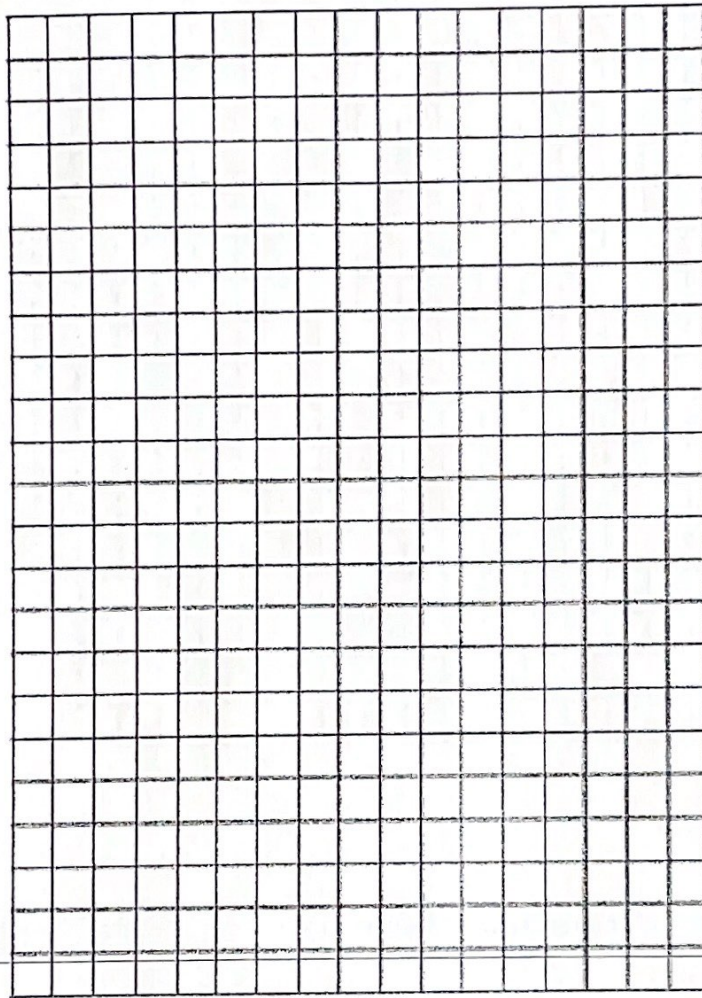
1. The Jolly Green Giant is tracking the progress of his bean's growth. Today the plant is 5 ft high. The plant grows 1.5 feet per day.

a) What is the rate of change?

b) What is the dependent variable?

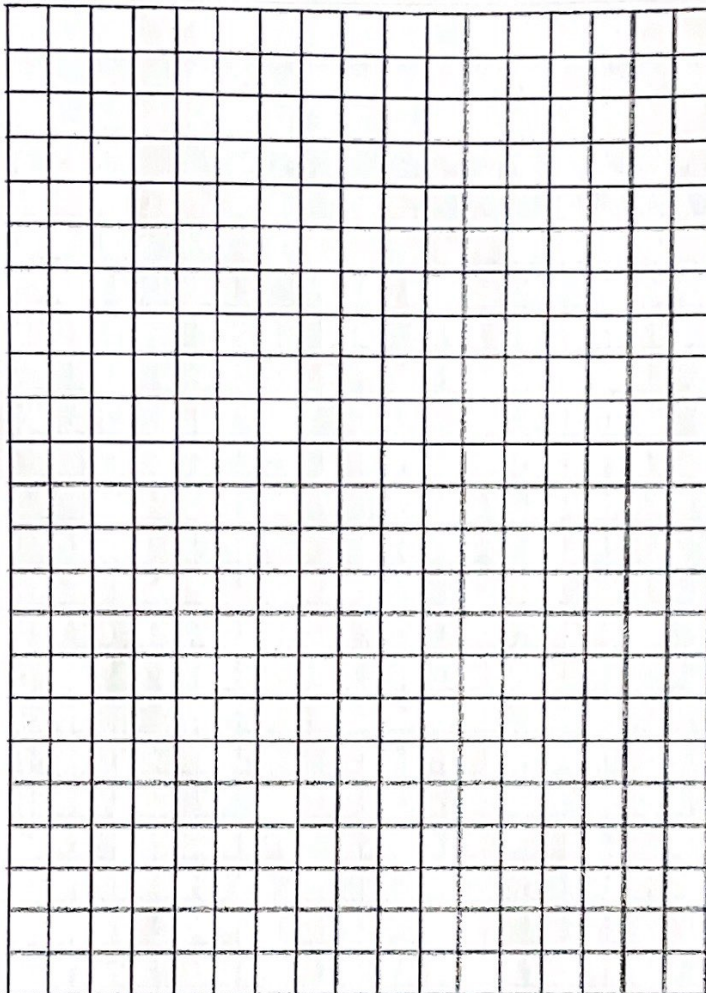
c) Using h , for height in feet, and d for day, what equation represents this?

d) Graph this for at least 10 days of growth. (hint.....labels, independent, even spacing, the majority of the graph.....)



e) What day is the plant 54.5 cm high? Show work.

2. Erik still has 35 pages of his riveting book to be read after he has been reading for 10 minutes, and 5 pages left after he has been reading for 50 minutes. Assume that the number of pages left to read varies linearly with the number of minutes she has been reading. Graph.



Calculate his rate of change from the information given. Does this fit with your graph?

13