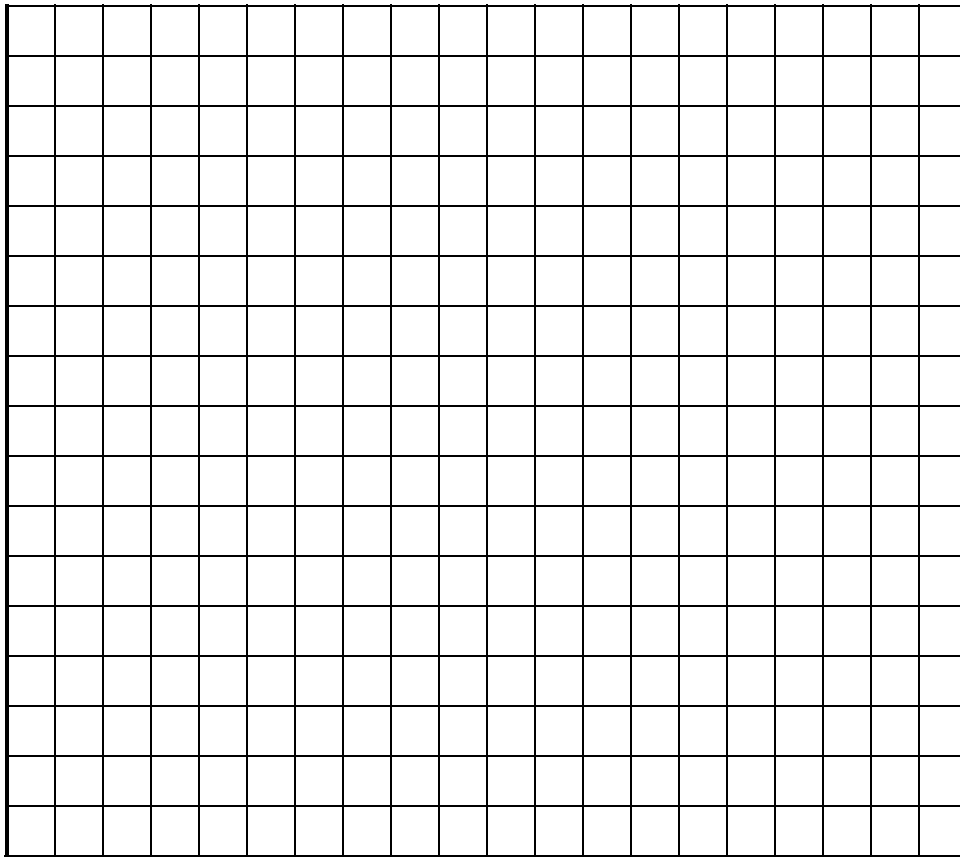


UNIT 1 WORKSHEET 1- Graphing Applications

Data below were taken for several buildings in a prominent city.
Using these data, create a graph and sketch the best-fit line.

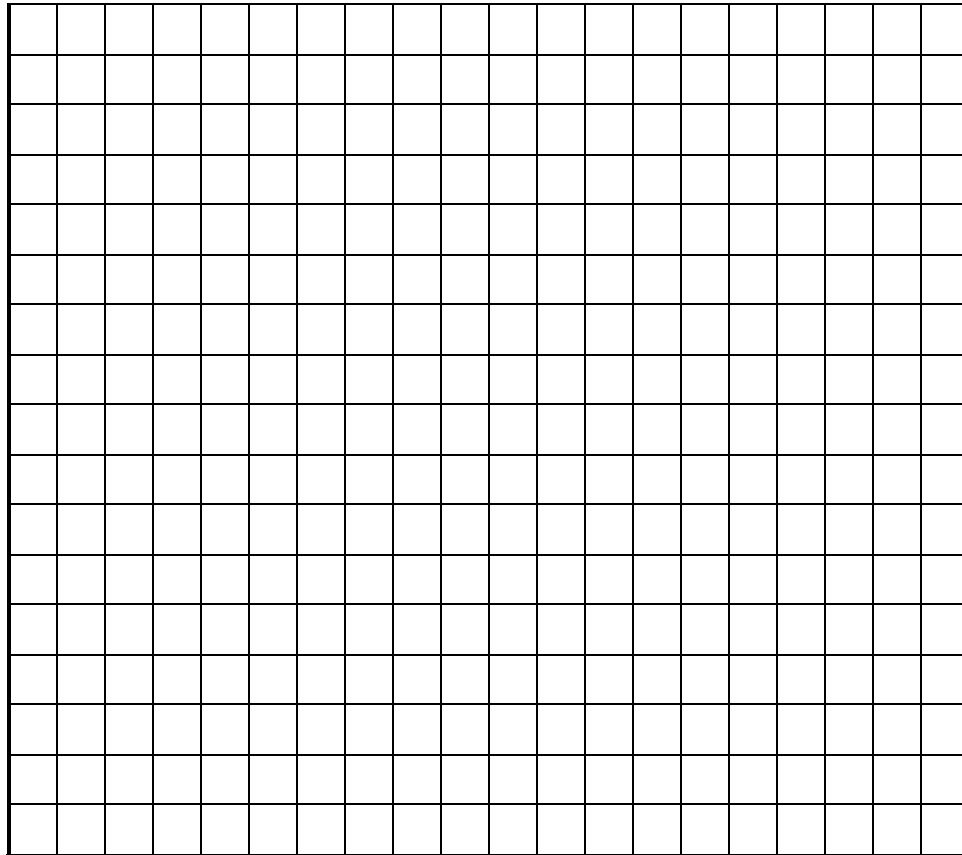
Number of Stories	Height of Building (m)
7	21
12	35
5	16
3	10
9	26



Using your graph and best-fit line, how many stories would you predict a 30m tall building to have? Explain your answer

Data below were taken for the number of students taking science at various schools and the number of science classes taught at those schools. Using these data, create a graph and sketch the best-fit line.

# of Classes	# of Students
4	126
1	35
8	265
5	166
9	290



Using your graph and best-fit line, how many students would you expect to be taking science at a school where there are 7 science classes being taught? Show your work.