

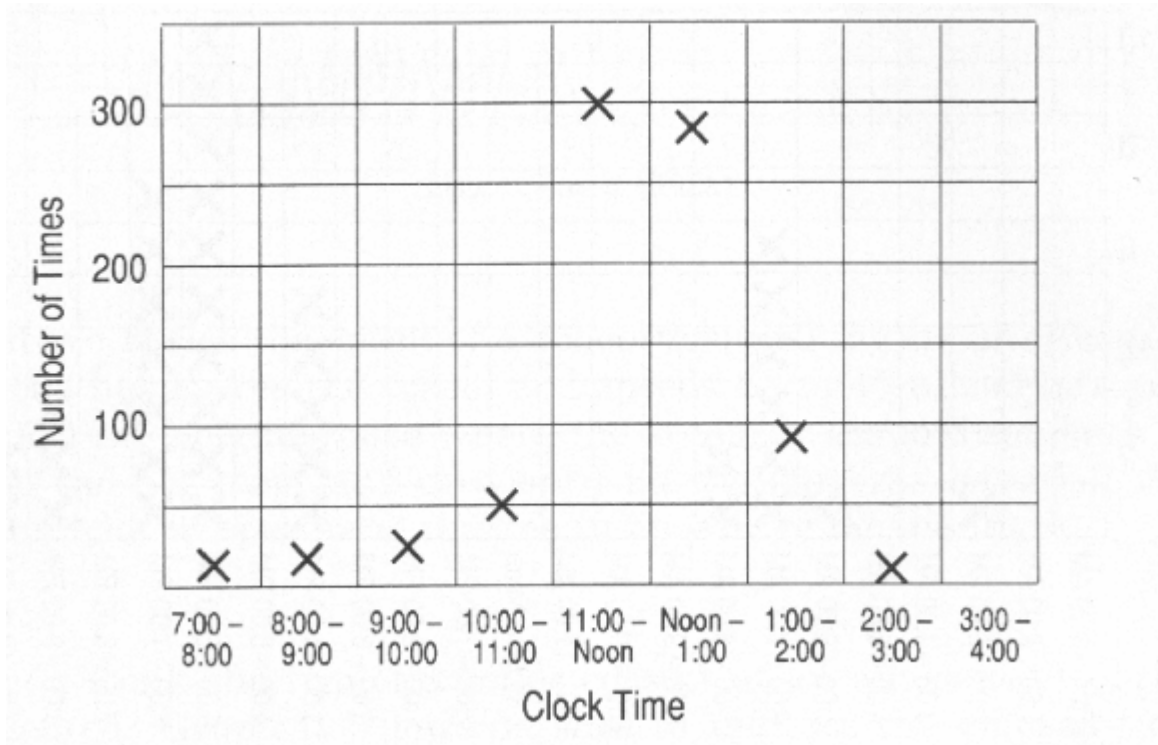
Graphing Data Collected Over Time

NAME _____

Use the graph and information below to answer the following questions.

Many activities in everyday life are functions of time.

1. Below is a graph of the number of times the door to our lunchroom was opened during the hours of one school day. Write a paragraph explaining the graph.



2. On a piece of graph paper, represent the amount of air in a tire just before it blows out, when it blows out, and shortly after it blows out.
3. On a piece of graph paper, record the number of times you think the telephone in your house rings each hour between 2:00 P.M. and 9:00 P.M. How would your graph differ for the hours between 2:00 A.M. and 9:00 A.M.?
4. Make up your own graph for a function of time and see if your classmates can figure out what it represents.