Q.1 One researcher is interested in healthy eating habits of all students at Soka university. To get a rough idea, he picked a small group of students at Soka university and asked: “how often do you eat fruit?” The following barchart shows the result.

(a) How many students answered the question? What is the size of the sample of this survey?

(b) How many percent of students answered:

   (i) “Several times a month”?
   (ii) “About once a week”?
   (iii) “Almost never”?

(c) Is the result of this survey likely to be representative of all people in Japan? or all people in the world? Why? or why not? Explain your idea. (There is no fixed answer to this question. Write a short paragraph to explain your thought.)

(d) Draw the same barchart using Excel.

Q.2 Below is a small sample of the one hundred sixty-five 2009 pickup trucks listed on MPGomatic.com and available to the buying public.
(a) What is the population from which this sample was taken?

(b) How many individuals are in the population? How many are in the sample?

(c) How many variables are there?

(d) Name qualitative variables.

(e) Name quantitative variables.

(f) Which quantitative variables are discrete? Which are continuous?

(g) Make the same table using Excel.