

Take a look at your performance in the consecutive mathematics assignments done every day. Consider 15 assignments beginning from the first one is the term going onwards. Or you may as well consider the last term's consecutive assignments.

a). Convert each performance out of 100%.

b). Make a table of values showing the number of assignments and the performance in each assignment.

c). Generate a scatter plot showing the data above.

d). What kind of correlation does it have?

## Answer Keys

### Day 41:

a). The formula for determining the percentage is  $\frac{\text{Marks}}{\text{Total Marks}} \times 100\%$

The values should range between 0% and 100%.

b). The table should have two rows or columns where the first one has the number (position of the assignment in the list) of the assignments while the second one has the performance out of 100.

c). This should be composed of dots in the positive quadrant of  $xy$  plane with a line of the best fit.

d). The correlation should be either positive if the student is improving or negative if the student is dropping in performance. There may be no correlation too when the dots are uniformly scattered in the plane.