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 Faculty of Natural and Life Sciences  
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 Module : Mathematics 1

## Series of Exercises N°6

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**Exercise n°1.** The number of goals by a player over 6 matches are as follows :

1, 0, 2, 13, 1.

1. Determine the population, the variable and its type.
2. Represent the datas of the statistical series in a table.
3. Calculate  $f_i$ ,  $n_i^c$ ,  $f_i^c$ ,  $Me$ ,  $\bar{X}$ ,  $Mo$ .
4. Draw the bar graph of the statistical variable.

**Exercise n°2.** We study the eyes color of the students in a classe :

$x_i$	black	brown	blue	green
$n_i$	15	10	2	1

1. Determine the population, the variable and its type.
2. Draw the circle graph of the variable.

**Exercise n°3.** The notes of an exam of 25 students on 40 is given in the following table :

$x_i$	[0, 10[	[10, 20[	[20, 30[	[30, 40[
$n_i$	4	10	8	3

1. Determine the population, the individual, the variable and its type.
2. Calculate  $\bar{X}$ ,  $Me$ ,  $Mo$ .
3. Draw the considered graph of the variable.

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