



**Mathematical Models Of
Physical Biological
Work Sheet: 08-IPP-02-WS**



Questions:

1. Create a model to predict the population of Rabbits on an island in 2020. Use following statistical data.

Year	Population at start of year (x)	Births in the current year	Deaths in the current year
2014	290	145	87
2015	348	174	104
2016	418	209	125

Hint: Let Increase in population be x' .

For every year increase in population is,
 $x' = \text{Births} - \text{Deaths}$