Name:_____

> Read carefully the problem, then identify the important parts, make a **model**, and a **flow chart**. Remember to describe all the passages that brings you to give a certain answer (why a certain value is an input, where you found information on the data type, why you made a certain choice, etc. . .).

A farmer owns a number of rabbits, and he wants to know how many rabbits he will have in an amount of months. We can simplify the reproduction rule assuming that each couple of rabbits make 5 babies each month, so in a month the total population of rabbits increase by a factor of $5/2 = 2.5$.

I.e. if the initial population is n, after 1 month the population will be $n + n * 2.5$

Make a program that let the farmer calculate the rabbits population after a number m of months and with an initial population n of rabbits.