

A simulation is a model of a real situation and can be used to estimate the population growth of animal pests to help farmers plan for the future.



Rabbits



Female rabbits are 4 months old when they first give birth and they have a **litter every month.**

### Number of rabbits born each month last year for 10 female rabbits

January	1	0	0	0	1	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	2	6	5	3	6	2	8	3	5	2
April	3	4	4	4	5	5	6	5	6	8
May	7	4	6	4	5	8	4	4	5	3
June	4	7	2	4	4	5	5	4	7	5
July	4	8	8	6	3	4	4	2	4	6
August	5	7	5	7	6	5	6	5	6	5
September	0	0	0	0	0	0	0	1	0	0
October	0	1	1	0	0	0	0	0	0	0

Analyse last year's monthly birth data.

Develop a probability model and design a simulation to model the birth of rabbits over two years.



Rabbit rabbit rabbit