

Foxes and Rabbits Game

If you have played the Foxes and Rabbits Game, look at the figures and try to answer the questions below.

This is the results sheet for a series of Foxes and Rabbits games.

Game Number	Numbers at the start of each game		
	Foxes	Rabbits	Grass
1	5	7	10
2	4	10	8
3	4	16	2
4	8	4	10
5	6	2	14
6	2	2	18
7	2	2	18
8	0	4	18
9			
10			

Questions to be answered:

1. What happens to the rabbit population in game 1 when there is plenty of grass?
2. What happens to the rabbit population in game 4 when there are too many foxes?
3. What happens to the rabbit population in game 3 when there is too little grass?
4. What happened to the rabbit population in game 2 when there were too few foxes?
5. What happened to the fox population in game 3 when there were so many rabbits?
6. What happened to the fox population when the rabbit numbers got very low?
7. What do you predict will be the numbers for the next two games?
8. So in Nature, what can we expect to happen to rabbit numbers if rabbits have no predators?
9. What will happen to the Green Oak Tortrix Moth numbers if there were no predators to feed on them? Can you predict what might happen eventually?