Question 4 (4 marks)

Ten shop owners in a coastal resort were asked how many extra staff they intended to hire for the next holiday season. Their responses are shown below:

3, 0, 2, 1, 2, 1, 1, 0, 2, 1

If N = number of additional staff,

(a)   complete the probability distribution of N below. (2 marks)

n	0	1	2	3
P $(N = n)$				

(b)   what is the mean number of staff the shop owners intend to hire? (2 marks)