

Exercise 1Calc. : **X**

In a city it is estimated that 1 in 10 people are allergic to gluten.

From the city, 6 people are chosen at random. Let X be the number of them who are allergic to gluten.

<p>a) Explain why it is appropriate to assume that X follows a binomial distribution.</p> <p>b) Calculate the probability that exactly 5 of the 6 people are allergic to gluten.</p> <p>c) Determine, from the group of 6, the expected value of the number of people who are allergic to gluten.</p>	1 mark
	2 marks
	2 marks