Raman and Sanjay are members of a quiz team which has 9 members in total. Two photographs of the quiz team are to be taken.	
For the first photograph, the 9 members will stand in a line.	
(a)	How many different arrangements of the 9 members are possible in which Raman will be at the centre of the line? [1]
(b)	How many different arrangements of the 9 members are possible in which Raman and Sanjay are not next to each other? [3]

(c) In how many different ways can the 9 members be divided into a group of 5 and a group of 4? [2] (d) For a random division into a group of 5 and a group of 4, find the probability that Raman and Sanjay are in the same group as each other.

For the second photograph, the members will stand in two rows, with 5 in the back row and 4 in the

front row.