Exercise 1   Calc. : ✓

Professor Fry and 11 colleagues from his team went to a restaurant to commemorate the success of the research conducted on Snake Island. At the end of the meal, they decided to randomly select three members of the group to pay the bill.

1. In how many ways can these three people be selected?   3 marks

2. What is the probability that Professor Fry will **not** have to contribute to the payment?   3 marks

3. In the group there are 3 biologists, 5 zoologists and 4 veterinarians. What is the probability that exactly one of each profession will be selected?   3 marks