

12	11e	In how many ways can a committee of 3 men and 4 women be selected from a group of 8 men and 10 women?	1
8 men, choose 3 men; 10 women, choose 4 women			State Mean: 0.72/1
${}^8C_3 \times {}^{10}C_4 = 11\,760$			

* These solutions have been provided by [projectmaths](http://projectmaths.com.au) and are not supplied or endorsed by the Board of Studies

Board of Studies: Notes from the Marking Centre

Many candidates knew that binomial coefficients were needed to complete this part, but many were confused about whether to add them or multiply them.

Source: http://www.boardofstudies.nsw.edu.au/hsc_exams/