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2015 4 A rowing team consists of 8 rowers and a coxswain. The rowers are selected from **1**
12 students in Year 10. The coxswain is selected from 4 students in Year 9. In how
many ways could the team be selected?

(A) ${}^{12}C_8 + {}^4C_1$ (B) ${}^{12}P_8 + {}^4P_1$ (C) ${}^{12}C_8 \times {}^4C_1$ (D) ${}^{12}P_8 \times {}^4P_1$

C

'From 12 students choose 8 **and** from 4 students choose 1':

$$\therefore {}^{12}C_8 \times {}^4C_1$$

State Mean:
0.81

* These solutions have been provided by [projectmaths](#) and are not supplied or endorsed by BOSTES.