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- 2018**    **8**    Six men and six women are to be seated at a round table. In how many different ways can they be seated if men and women alternate?    **1**
- A.  $5! 5!$                       B.  $5! 6!$                       C.  $2! 5! 5!$                       D.  $2! 5! 6!$

**B**

Sit a person down. The other 5 people of that sex can be arranged in  $5!$  ways.

The six people of the opposite sex can be arranged in  $6!$  ways.

$\therefore 5! \times 6!$  ways

State Mean:  
**0.42**

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