TG   **7**   Mr and Mrs Roberts and their four children go to the theatre.   **2**
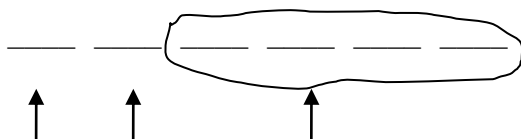**PC**   They are randomly allocated six adjacent seats in a single row.
07   **5b**   What is the probability that the four children are allocated seats next to each other?
X

As there are 6 seats, the number of arrangements is 6!

2 parents and the group of children = 3!
Also, the children can sit in 4! Arrangements.

P(children sit together) = $\dfrac{3! \times 4!}{6!}$

$= \dfrac{1}{5}$

* These solutions have been provided by *projectmaths* and are not supplied or endorsed by NESA.