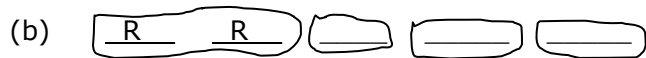


- TG** **5** At the front of a building there are five garage doors. Two of the doors are to be painted red, one is to be painted green, one blue and one orange.
- PC**
- 10** **3a** (a) How many possible arrangements are there for the colours on the doors? **1**
- X** (b) How many possible arrangements are there for the colours on the doors if the two red doors are next to each other? **1**

(a) $\frac{5!}{2!} = 60$

\therefore 60 arrangements



$4! = 24$

\therefore 24 arrangements

State Mean:
0.62/1
0.50/1

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

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