

- (a) In how many ways can the 9 people be divided into a group of 6 and a group of 3? [2]

5 of the 9 people are selected at random for a particular activity.

- (b) Find the probability that this group of 5 people contains all 3 of the Baker children. [3]

[illegible]

All 9 people stand in a line.

- (c) Find the number of different arrangements in which Mr Ahmed is not standing next to Mr Baker. [3]

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- (d) Find the number of different arrangements in which there is exactly one person between Mr Ahmed and Mr Baker. [3]

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