

7

(a) How many different arrangements are there of these 8 digits?

[1]

[illegible]

(b) Find the number of different arrangements of the 8 digits in which there is a 2 at the beginning, a 2 at the end and the three 4s are not all together. [4]

[4]

[illegible]

Three digits are selected at random from the eight digits 1, 2, 2, 3, 4, 4, 4, 5.

- (c) Find the probability that the three digits are all different. [5]

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