

Principles of Probability

Started on	Monday, 6 March 2023, 7:30 PM
State	Finished
Completed on	Monday, 6 March 2023, 7:47 PM
Time taken	17 mins 40 secs
Grade	10.00 out of 10.00 (100%)

Quiz navigation



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Question 1

Complete
Mark 4.00 out of 4.00

Flag question

A bag password consists of 3 characters. Each character is a digit from 0 to 9.

1. In how many ways we can construct a password such that all characters are between 3 and 7 (inclusive).

Answer:

125

2. In how many ways we can construct a password such that the last two characters are different from the first character.

Answer:

810

3. In how many ways we can construct a password such that the sum of all characters equals 2.

Answer:

6

Question 2

Complete
Mark 4.00 out of 4.00

Flag question

Among 20 people, 7 individuals have Ummiah SIM card, 9 individuals have Zain SIM card, and the rest have Orange SIM cards.

1. In how many ways we can select randomly without repetition and with order 5 people having the Zain SIM card?

Answer:

15120

2.2. In how many ways we can firstly select randomly 2 people having the Zain SIM card without repetition and without order, secondly 4 people having the Ummiah SIM card without repetition and without order, and finally 2 people having the Orange SIM card without repetition and without order?

Answer:

7560

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