

SIMULATION NUMBER 1

COLLECTING CARDS

How many cards do you need to turn over from a pack of cards to get all suits showing?

Guess, then do a trial.

Repeat ten times.

SIMULATION NUMBER 2

OVERBOOKING

A bus company books 12 seats each day for it's 10-seater, knowing that about 1 in 6 bookings are not taken up. Simulate, using a dice, for a 10 day period.

(Throw a dice 12 times, assume 'no show' if dice shows 1)

SIMULATION NUMBER 3

CHOOSING KEYS

A man has to choose the correct key from 6 keys.

Simulate in the following ways (5 trials each)

- a) The choice is random.
- b) A key is not chosen if it is the last key tried.
- c) A key is not chosen if it has already been tried.