

MISSION (not) IMPOSSIBLE

Your challenge should you choose to accept it, is to answer the following question

A bag only contains black counters and white counters. A counter is chosen from the bag at random and replaced. Another counter is then chosen from the bag at random. The probability of choosing **two** black counters is 0.36

- a) Show that the probability of choosing a black counter each time is 0.6

(1)

- b) Work out the probability of choosing two white counters.

(2)

- c) Work out the probability of choosing at least one white counter.

(2)