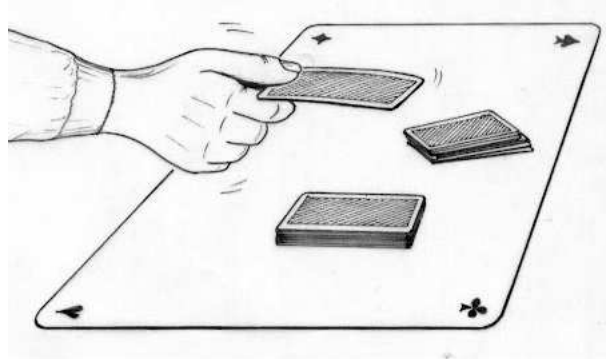# Des cartes

A game of 32 cards is made of 8 cards of different values in each of the 4 suits.

Arsene, the magician asks his friends to choose cards at random, one by one from the pack of 32 cards and to place them in a pile face down on the table.

At a given moment chosen by Arsene, the draw stops. He then declares that there are at least 3 cards of the same value in the pile (for example 3 sevens, 3 queens,...).

Arsene knows the smallest number of cards that his friends must pile up to be sure of never making a mistake.

What is this number? Explain your answer.