

Card Combinations Practice

Find the number of possible 5-card hands that contain the cards specified. The cards are taken from a standard 52-card deck.

a. 5 face cards (kings, queens, or jacks) b. 1 ace and 4 cards that are not aces

c. At most 1 queen

d. 5 Black cards

e. 5 cards that are spades

f. 3 aces and 2 kings

g. 5 red cards or 5 black cards

h. 4 queens and 1 king

i. 2 of a kind, 2 of a second kind, and
1 other card

j. 3 face cards (kings, queens, or
jacks) and 2 other cards (none of
which are face cards) all 5 of the
same suit

k. 2 face cards (kings, queens, or jacks)
and 3 cards that are not face cards

l. 3 of one kind (kings, queens, and so
on) and 2 of a different kind

m. 3 Face cards and 2 non-face cards

n. 3 hearts, 1 spade, and one other card (not a heart or spade)

o. At most 3 Aces.

P. 5 Red cards or 5 Spades