

ONE-STAGE PROBABILITY (GAMBLING)

SKILLS QUESTIONS

PLAYING CARDS



Refer to this information to answer the questions.

There are 52 cards in a deck of cards.

There are 4 suits – hearts, diamonds, spades and clubs.

The hearts and diamonds are red cards. The spades and clubs are black cards.

In each suit, there are 13 cards – Ace, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, Jack, Queen and King.

Q1. What is the probability that if one card is chosen from the deck that it will be a:

- (a) red card
- (b) black card
- (c) heart
- (d) spade
- (e) queen
- (f) picture card (Jack, Queen or King)
- (g) ace
- (h) ace of clubs
- (i) queen of hearts
- (j) seven
- (k) seven of diamonds ?



Q2. What is the probability that if one card is chosen from the deck that it will be:

- (a) an ace or a king
- (b) an ace and a king
- (c) a diamond or a heart
- (d) a diamond and a heart ?

ANSWERS

Q1. (a) $\frac{1}{2}$

(b) $\frac{1}{2}$

(c) $\frac{1}{4}$

(d) $\frac{1}{4}$

(e) $\frac{1}{13}$

(f) $\frac{3}{13}$

(g) $\frac{1}{13}$

(h) $\frac{1}{52}$

(i) $\frac{1}{52}$

(j) $\frac{1}{13}$

(k) $\frac{1}{52}$

Q2. (a) $\frac{2}{13}$

(b) 0 (not possible)

(c) $\frac{1}{2}$

(d) 0 (not possible)