Name

Probability - Cards, From Hand, Pick Two Non-Ordered, To Binomial Equation

1

4♣ 2♣ 9♦ 2♠

P(2 2s)

Calculate the probability of drawing 2 2s. Show as a fraction in binomial (bracket) notation

A $\frac{\binom{4}{2}}{\binom{2}{2}}$

B $\frac{\binom{2}{2}}{\binom{4}{2}}$

C $\frac{\binom{2}{2}}{\binom{4}{2}}$

D $\frac{\binom{4}{2}}{\binom{2}{2}}$

2

8♣ 6♥ 9♠ 5♦ 8♦

P(2 8s)

Calculate the probability of drawing 2 8s. Show as a fraction in binomial (bracket) notation

A $\frac{\binom{2}{2}}{\binom{5}{2}}$

B $\frac{\binom{2}{5}}{\binom{2}{2}}$

C $\frac{\binom{5}{2}}{\binom{2}{2}}$

D $\frac{\binom{2}{3}}{\binom{8}{3}}$

3

8♦ 4♠ 4♦

P(2 Diamonds)

Calculate the probability of drawing 2 Diamonds. Show as a fraction in binomial (bracket) notation

A $\frac{\binom{2}{2}}{\binom{2}{3}}$

B $\frac{\binom{4}{2}}{\binom{5}{2}}$

C $\frac{\binom{2}{3}}{\binom{2}{2}}$

D $\frac{\binom{2}{2}}{\binom{3}{2}}$

4

9♦ 4♣ 3♣

P(2 Clubs)

Calculate the probability of drawing 2 Clubs. Show as a fraction in binomial (bracket) notation

A $\frac{\binom{2}{2}}{\binom{3}{2}}$

B $\frac{\binom{2}{3}}{\binom{2}{2}}$

C $\frac{\binom{2}{2}}{\binom{2}{3}}$

D $\frac{\binom{2}{2}}{\binom{5}{2}}$

5

Q♣ K♥ K♠ 6♦

P(2 Ks)

Calculate the probability of drawing 2 Kings. Show as a fraction in binomial (bracket) notation

A $\frac{\binom{4}{2}}{\binom{6}{2}}$

B $\frac{\binom{4}{2}}{\binom{2}{2}}$

C $\frac{\binom{2}{2}}{\binom{4}{2}}$

D $\frac{\binom{3}{4}}{\binom{6}{4}}$

E $\frac{\binom{2}{4}}{\binom{2}{2}}$

6

5♦ 2♥ 5♦

P(2 Diamonds)

Calculate the probability of drawing 2 Diamonds. Show as a fraction in binomial (bracket) notation

A $\frac{\binom{2}{2}}{\binom{2}{3}}$

B $\frac{\binom{2}{2}}{\binom{3}{2}}$

C $\frac{\binom{3}{2}}{\binom{2}{2}}$

D $\frac{\binom{4}{2}}{\binom{5}{2}}$

7

J♠ A♦ A♥

P(2 As)

Calculate the probability of drawing 2 Aces. Show as a fraction in binomial (bracket) notation

A $\frac{\binom{4}{2}}{\binom{5}{2}}$

B $\frac{\binom{2}{2}}{\binom{3}{2}}$

C $\frac{\binom{2}{3}}{\binom{2}{2}}$

D $\frac{\binom{3}{2}}{\binom{6}{2}}$

8

2♥ 10♥ 4♠

P(2 Hearts)

Calculate the probability of drawing 2 Hearts. Show as a fraction in binomial (bracket) notation

A $\frac{\binom{2}{2}}{\binom{3}{2}}$

B $\frac{\binom{2}{2}}{\binom{2}{3}}$

C $\frac{\binom{4}{3}}{\binom{5}{3}}$

D $\frac{\binom{3}{2}}{\binom{2}{2}}$