

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

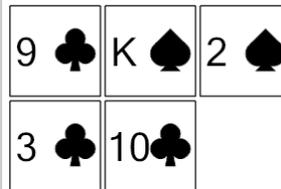
1 Calculate the probability of drawing 3 5s. Show as a fraction in binomial (bracket) notation



P(3 5s)

- A $\frac{\binom{6}{3}}{\binom{10}{3}}$ B $\frac{\binom{3}{3}}{\binom{7}{3}}$
 C $\frac{\binom{7}{3}}{\binom{3}{3}}$ D $\frac{\binom{3}{3}}{\binom{7}{3}}$

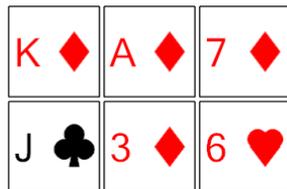
2 Calculate the probability of drawing 3 Clubs. Show as a fraction in binomial (bracket) notation



P(3 Clubs)

- A $\frac{\binom{3}{3}}{\binom{5}{3}}$ B $\frac{\binom{3}{3}}{\binom{5}{5}}$
 C $\frac{\binom{3}{5}}{\binom{3}{3}}$

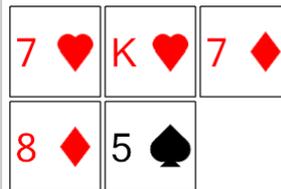
3 Calculate the probability of drawing 4 Diamonds. Show as a fraction in binomial (bracket) notation



P(4 Diamonds)

- A $\frac{\binom{4}{6}}{\binom{4}{4}}$ B $\frac{\binom{5}{5}}{\binom{9}{5}}$
 C $\frac{\binom{4}{4}}{\binom{9}{4}}$ D $\frac{\binom{4}{4}}{\binom{6}{4}}$
 E $\frac{\binom{4}{4}}{\binom{4}{6}}$

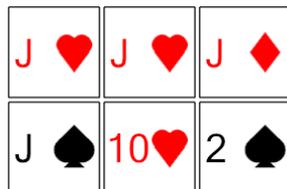
4 Calculate the probability of drawing 2 7s. Show as a fraction in binomial (bracket) notation



P(2 7s)

- A $\frac{\binom{2}{2}}{\binom{5}{2}}$ B $\frac{\binom{2}{2}}{\binom{2}{5}}$
 C $\frac{\binom{5}{2}}{\binom{2}{2}}$ D $\frac{\binom{4}{2}}{\binom{7}{2}}$
 E $\frac{\binom{4}{2}}{\binom{8}{2}}$

5 Calculate the probability of drawing 5 Jacks. Show as a fraction in binomial (bracket) notation



P(5 Js)

- A $\frac{\binom{7}{5}}{\binom{5}{5}}$ B $\frac{\binom{5}{5}}{\binom{7}{5}}$
 C $\frac{\binom{5}{7}}{\binom{5}{5}}$ D $\frac{\binom{10}{5}}{\binom{12}{5}}$

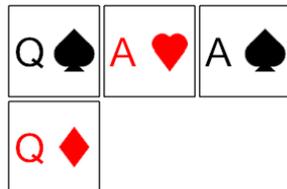
6 Calculate the probability of drawing 4 7s. Show as a fraction in binomial (bracket) notation



P(4 7s)

- A $\frac{\binom{4}{4}}{\binom{7}{4}}$ B $\frac{\binom{4}{7}}{\binom{4}{4}}$
 C $\frac{\binom{8}{4}}{\binom{11}{4}}$ D $\frac{\binom{7}{4}}{\binom{4}{4}}$
 E $\frac{\binom{4}{6}}{\binom{10}{6}}$

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



P(2 Qs)

- A $\frac{\binom{2}{2}}{\binom{4}{2}}$ B $\frac{\binom{2}{2}}{\binom{2}{4}}$
 C $\frac{\binom{4}{4}}{\binom{5}{4}}$ D $\frac{\binom{4}{4}}{\binom{6}{4}}$
 E $\frac{\binom{3}{2}}{\binom{6}{2}}$

8 Calculate the probability of drawing 4 5s. Show as a fraction in binomial (bracket) notation



P(4 5s)

- A $\frac{\binom{7}{4}}{\binom{4}{4}}$ B $\frac{\binom{4}{4}}{\binom{7}{4}}$
 C $\frac{\binom{4}{7}}{\binom{4}{4}}$ D $\frac{\binom{8}{4}}{\binom{11}{4}}$
 E $\frac{\binom{4}{4}}{\binom{4}{7}}$