Math worksheet on *'Probability - Cards, From Hand Ordered, To Binomial Equation (Level 1)'*. Part of a *'Probability and Statistics - Permutations and Combin - Practice'*

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1

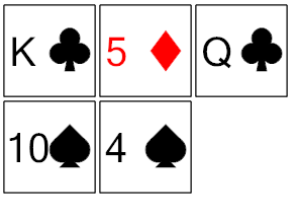
Calculate the probability of drawing 2 10s. Show as a fraction in binomial (bracket) notation

P(2 10s)

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

2



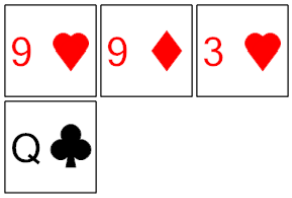
Calculate the probability of drawing 2 Clubs. Show as a fraction in binomial (bracket) notation

P(2 Clubs)

a $\frac{\binom{2}{5}}{\binom{2}{2}}$ **b** $\frac{\binom{2}{2}}{\binom{2}{5}}$

c $\frac{\binom{2}{2}}{\binom{5}{2}}$ **d** $\frac{\binom{5}{2}}{\binom{2}{2}}$

3



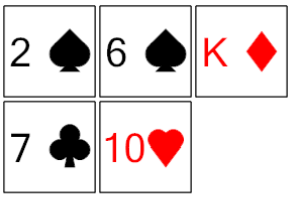
Calculate the probability of drawing 2 9s. Show as a fraction in binomial (bracket) notation

P(2 9s)

a $\frac{\binom{2}{4}}{\binom{2}{2}}$ **b** $\frac{\binom{2}{2}}{\binom{4}{2}}$

c $\frac{\binom{3}{4}}{\binom{5}{4}}$ **d** $\frac{\binom{3}{3}}{\binom{6}{3}}$

4



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

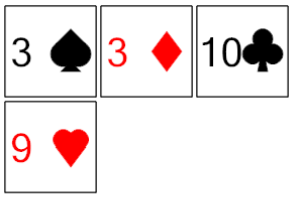
P(2 Spades)

a $\frac{\binom{4}{2}}{\binom{8}{2}}$ **b** $\frac{\binom{4}{2}}{\binom{7}{2}}$

c $\frac{\binom{2}{5}}{\binom{2}{2}}$ **d** $\frac{\binom{2}{2}}{\binom{2}{5}}$

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

5



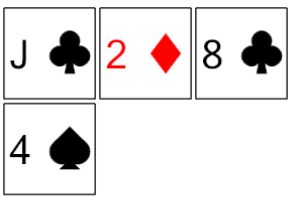
Calculate the probability of drawing 2 3s. Show as a fraction in binomial (bracket) notation

P(2 3s)

a $\frac{\binom{2}{4}}{\binom{2}{2}}$ **b** $\frac{\binom{4}{2}}{\binom{2}{2}}$

c $\frac{\binom{2}{2}}{\binom{4}{2}}$ **d** $\frac{\binom{2}{2}}{\binom{2}{4}}$

6



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

P(2 Clubs)

a $\frac{\binom{2}{2}}{\binom{4}{2}}$ **b** $\frac{\binom{4}{2}}{\binom{6}{2}}$

c $\frac{\binom{2}{2}}{\binom{2}{4}}$ **d** $\frac{\binom{2}{4}}{\binom{2}{2}}$

7

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

P(2 Hearts)

a $\frac{\binom{2}{3}}{\binom{2}{2}}$ **b** $\frac{\binom{2}{2}}{\binom{3}{2}}$

c $\frac{\binom{4}{2}}{\binom{5}{2}}$ **d** $\frac{\binom{3}{2}}{\binom{2}{2}}$