Math worksheet on *'Probability - Cards, From Hand Ordered, To nCm Equation (Level 2)'*. Part of a bi *'Probability and Statistics - Permutations and Combin - Practice'*

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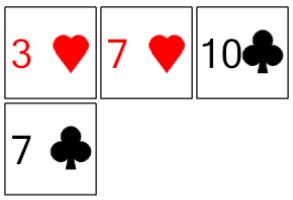
1



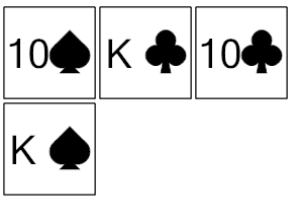
P(2 Clubs)

Calculate the probability of drawing 2 Clubs. Show as a fraction in nCm form

a $\frac{{}_2C_2}{{}_4C_2}$ **b** $\frac{{}_4C_2}{{}_2C_2}$

c $\frac{{}_2C_4}{{}_2C_2}$

2



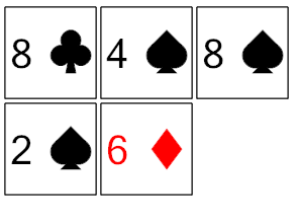
P(2 Ks)

Calculate the probability of drawing 2 Kings. Show as a fraction in nCm form

a $\frac{{}_2P_2}{{}_4P_2}$ **b** $\frac{{}_3C_3}{{}_7C_3}$

c $\frac{{}_2C_2}{{}_4C_2}$ **d** $\frac{{}_4C_2}{{}_2C_2}$

3



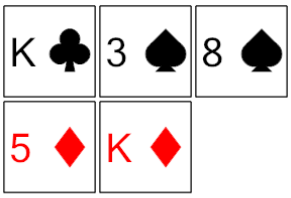
P(3 Spades)

Calculate the probability of drawing 3 Spades. Show as a fraction in nCm form

a $\frac{{}_3C_3}{{}_3C_5}$ **b** $\frac{{}_5C_3}{{}_3C_3}$

c $\frac{{}_3C_5}{{}_3C_3}$ **d** $\frac{{}_3C_3}{{}_5C_3}$

4



P(2 Diamonds)

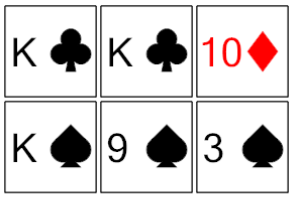
Calculate the probability of drawing 2 Diamonds. Show as a fraction in nCm form

a $\frac{{}_2C_2}{{}_5C_2}$ **b** $\frac{{}_5C_2}{{}_2C_2}$

c $\frac{{}_4C_4}{{}_8C_4}$ **d** $\frac{{}_4C_3}{{}_8C_3}$

e $\frac{{}_2C_2}{{}_2C_5}$

5



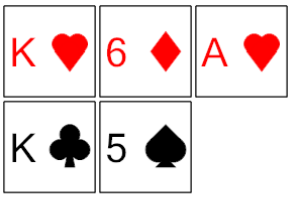
P(3 Ks)

Calculate the probability of drawing 3 Kings. Show as a fraction in nCm form

a $\frac{{}_3C_3}{{}_3C_6}$ **b** $\frac{{}_3C_3}{{}_6C_3}$

c $\frac{{}_3C_6}{{}_3C_3}$ **d** $\frac{{}_3P_3}{{}_6P_3}$

6



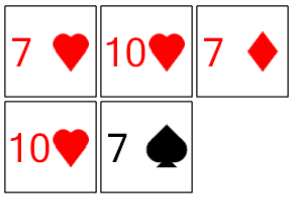
P(2 Ks)

Calculate the probability of drawing 2 Kings. Show as a fraction in nCm form

a $\frac{{}_2P_2}{{}_5P_2}$ **b** $\frac{{}_2C_5}{{}_2C_2}$

c $\frac{{}_5C_2}{{}_2C_2}$ **d** $\frac{{}_2C_2}{{}_5C_2}$

7



P(2 10s)

Calculate the probability of drawing 2 10s. Show as a fraction in nCm form

a $\frac{{}_2C_3}{{}_8C_3}$ **b** $\frac{{}_2C_2}{{}_2C_5}$

c $\frac{{}_5C_2}{{}_2C_2}$ **d** $\frac{{}_2C_2}{{}_5C_2}$

e $\frac{{}_2P_2}{{}_5P_2}$