



Math worksheet on 'Probability - Cards, From Hand Ordered, To Description of Equation (Level 2)'. Part on 'Probability and Statistics - Permutations and Calculating - Practice'

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2

4 ♦	4 ♣	3 ♥
K ♠		

Calculate the probability of drawing 2 4s. Show as a description of the equation needed

a	ways to draw 2 4s from 2 options
	ways to order 4 cards
b	ways to draw 2 4s from 2 options
	ways to draw 2 cards from 4
c	ways to draw 2 cards from 4
	ways to draw 2 4s from 2 options

P(2 4s)

1

10 ♠	3 ♥	K ♥
K ♦		

Calculate the probability of drawing 2 Kings. Show as a description of the equation needed

a	ways to draw 2 cards from 4
	ways to draw 2 Kings from 2 options
b	ways to draw 2 Kings from 2 options
	ways to draw 2 cards from 4
c	ways to draw 2 Kings from 2 options
	ways to order 4 cards

P(2 Ks)

3

5 ♠	7 ♥	8 ♥
9 ♠	8 ♣	

Calculate the probability of drawing 2 Hearts. Show as a description of the equation needed

a	ways to draw 2 cards from 5
	ways to draw 2 Hearts from 2 options
b	ways to draw 2 Hearts from 2 options
	ways to order 5 cards
c	ways to draw 2 Hearts from 2 options
	ways to draw 2 cards from 5

P(2 Hearts)

4

5 ♦	6 ♣	5 ♣
5 ♦	5 ♥	5 ♦
8 ♦		

Calculate the probability of drawing 5 5s. Show as a description of the equation needed

a	ways to draw 5 5s from 5 options
	ways to order 7 cards
b	ways to draw 5 5s from 5 options
	ways to draw 5 cards from 7
c	ways to draw 5 cards from 7
	ways to draw 5 5s from 5 options

P(5 5s)

5

3 ♦	Q ♠	5 ♠
Q ♠	2 ♣	

Calculate the probability of drawing 2 Queens. Show as a description of the equation needed

a	ways to draw 2 cards from 5
	ways to draw 2 Queens from 2 options
b	ways to draw 2 Queens from 2 options
	ways to draw 2 cards from 5
c	ways to draw 2 Queens from 2 options
	ways to order 5 cards

P(2 Qs)

6

K ♦	6 ♦	K ♦
K ♦	9 ♦	

Calculate the probability of drawing 3 Kings. Show as a description of the equation needed

a	ways to draw 3 Kings from 3 options
	ways to order 5 cards
b	ways to draw 3 Kings from 3 options
	ways to draw 3 cards from 5
c	ways to draw 3 cards from 5
	ways to draw 3 Kings from 3 options

P(3 Ks)

7

8 ♠	K ♣	8 ♠
8 ♣	7 ♠	

Calculate the probability of drawing 3 8s. Show as a description of the equation needed

a	ways to draw 3 8s from 3 options
	ways to draw 3 cards from 5
b	ways to draw 3 cards from 5
	ways to draw 3 8s from 3 options
c	ways to draw 3 8s from 3 options
	ways to order 5 cards

P(3 8s)