Math worksheet on *'Probability Counting - Choose [*
Probability Counting - To nCm Notation (Level 1)'. F
unit on *'Probability and Statistics - Permutations an*
Calculating - Practice'

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1

A ♠	8 ♠	8 ♣
5 ♥	K ♦	8 ♥

What's the chance of drawing two 8s from this set? Show in nCm notation.

a	$\dfrac{_3C_2}{_6C_2}$	b	$\dfrac{_3R_2}{_6P_2}$
c	$\dfrac{_3P_2}{_6P_2}$	d	$\dfrac{_5C_3}{_2C_6}$
e	$\dfrac{_3R_2}{_2C_6}$	f	$\dfrac{_3P_2}{_6R_2}$

2

Q ♣	A ♥	A ♠
A ♦	A ♣	

What's the chance of drawing three Aces from this set? Show in nCm notation.

a	$\dfrac{_4P_3}{_4C_4}$	b	$\dfrac{_4P_3}{_5R_3}$
c	$\dfrac{_4B_3}{_5P_3}$	d	$\dfrac{_4C_4}{_5P_3}$
e	$\dfrac{_3C_4}{_5P_3}$	f	$\dfrac{_4C_3}{_5C_3}$

3

6 ♣	4 ♥	8 ♠
10 ♥	6 ♥	6 ♠
6 ♦		

What's the chance of drawing three 6s from this set? Show in nCm notation.

a	$\dfrac{_4P_3}{_7B_3}$	b	$\dfrac{_4B_3}{_7P_3}$
c	$\dfrac{_4P_3}{_7P_3}$	d	$\dfrac{_4C_3}{_7C_3}$
e	$\dfrac{_4P_3}{_3C_7}$	f	$\dfrac{_4B_3}{_6C_2}$

4

J ♦	10 ♠	2 ♦
J ♠	J ♣	

What's the chance of drawing two Jacks from this set? Show in nCm notation.

a	$\dfrac{_3P_2}{_5P_2}$	b	$\dfrac{_2C_3}{_5P_2}$
c	$\dfrac{_2C_3}{_2C_5}$	d	$\dfrac{_3R_2}{_4C_2}$
e	$\dfrac{_3C_2}{_5C_2}$	f	$\dfrac{_3R_2}{_5R_2}$

5

6 ♣	6 ♦	8 ♠
6 ♥	6 ♠	

What's the chance of drawing three 6s from this set? Show in nCm notation.

a	$\dfrac{_4B_3}{_5B_3}$	b	$\dfrac{_4P_3}{_5P_3}$
c	$\dfrac{_4P_3}{_6C_2}$	d	$\dfrac{_4P_3}{_4C_4}$
e	$\dfrac{_4P_3}{_5B_3}$	f	$\dfrac{_4C_3}{_5C_3}$

6

2 ♣	Q ♥	9 ♠
9 ♣	9 ♥	10 ♥

What's the chance of drawing two 9s from this set? Show in nCm notation.

a	$\dfrac{_2C_3}{_2C_6}$	b	$\dfrac{_3B_2}{_6B_2}$
c	$\dfrac{_3P_2}{_4C_2}$	d	$\dfrac{_3C_2}{_6C_2}$
e	$\dfrac{_3P_2}{_6P_2}$	f	$\dfrac{_3P_2}{_6R_2}$

7

8 ♠	A ♣	4 ♠
A ♦	10 ♥	A ♥
A ♠		

What's the chance of drawing two Aces from this set? Show in nCm notation.

a	$\dfrac{_5C_2}{_7P_2}$	b	$\dfrac{_4P_2}{_7B_2}$
c	$\dfrac{_4C_2}{_7C_2}$	d	$\dfrac{_4P_2}{_7R_2}$
e	$\dfrac{_4P_2}{_7P_2}$	f	$\dfrac{_2C_4}{_5C_2}$