

mobius

Probability Counting - Ways to Order 4 Cards, 0 Repeats - to Factorial Equation



30000021001020	Jaius, o ix	epeals - i	o i actoriai L	.quation	
1 10 ♦ 3 ♥ 2 ♦	How many dist these cards be o as a fac	ordered? Show	2	How many distinct ways can these cards be ordered? Show as a factorial.	
9 🛖	$\begin{array}{c} A & \underline{6!} \\ \hline 4! \end{array}$	B 4! 1! · 2!	J 🌲	$\begin{array}{c} A & \underline{4!} \\ & \underline{3!} \end{array}$	^B 4!
	C 4! 1! · 3!	D 4!		^c 5!	D 4! 4! · 0!
	$\frac{4!}{3!}$	F 4! 4! • 0!		E 3!	$F \qquad \frac{4!}{1! \cdot 3!}$
3 J ♥ A ♥ K ♠	How many dist these cards be o as a fac	ordered? Show	4 10♦ J ♦ K •	How many dist these cards be as a fac	ordered? Show
10♥	$\begin{array}{cc} A & \underline{5!} \\ & \underline{2!} \end{array}$	^B 4!	7 ♣	$\begin{array}{c} A & 4! \\ \hline 1! \cdot 3! \end{array}$	B 4! 2!
	c 3i	□ 5!		$\begin{array}{c} C & \frac{4!}{3!} \end{array}$	D 4!
	E 4! 4! · 0!	F 4! 3!		E 4! 4! · 0!	
5 10 ♠ 6 ♥ 8 ♥	How many dist these cards be o as a fac	ordered? Show	6 K ♠ 5 ♣ 7 •	How many dist these cards be as a fac	ordered? Show
3 🛡	^A 3!	$\frac{4!}{2!}$	8 🏚	$A \qquad \frac{4!}{2!}$	^B 5!
	C 4! 4! · 0!	D <u>5!</u> <u>2!</u>		C 4! 1! · 2!	D 3!
	E 4!	F 4! 1! · 3!		E 4!	F 4! 4! · 0!
7 8 ♠ 5 ♠ 6 ♠	How many dist these cards be o	inct ways can ordered? Show	8 J • 7 • 2 •	How many dist	ordered? Show

8	•	5	•	6	•
L/					

How many distinct ways can
these cards be ordered? Show
as a factorial.

A	4!	В	3!
С	5! 3!	D	5!
E	4! 4! · 0!	F	6!

8				
J 🏚	7	♣	2	♣

10 🏚	
1	

Α	4!	В	4!	
	$\overline{1! \cdot 2!}$		<u>1! · 3!</u>	
С	$\frac{4!}{4! \cdot 0!}$	D	4!	