



Math worksheet on 'Probability Counting - Ways to O Cards, 0 Repeats - to Factorial Equation (Level 1)'. F a broader unit on 'Probability and Statistics - Proba with Factorials Practice'

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

2

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

4 ♥	K ♣	6 ♦
9 ♣		

a	$\frac{4!}{2!}$	b	$\frac{4!}{4! \cdot 0!}$
c	4!	d	$\frac{4!}{1! \cdot 3!}$
e	3!	f	$\frac{4!}{1! \cdot 2!}$

1

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

4 ♠	3 ♠	10 ♠
6 ♥		

a	$\frac{4!}{1! \cdot 2!}$	b	$\frac{4!}{1! \cdot 3!}$
c	$\frac{4!}{4! \cdot 0!}$	d	4!
e	6!	f	$\frac{4!}{3!}$

3

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

J ♠	7 ♣	2 ♣
10 ♠		

a	4!	b	$\frac{4!}{1! \cdot 3!}$
c	$\frac{4!}{4! \cdot 0!}$	d	$\frac{4!}{1! \cdot 2!}$

4

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

Q ♣	4 ♥	2 ♦
7 ♠		

a	$\frac{4!}{4! \cdot 0!}$	b	4!
c	$\frac{4!}{2!}$	d	6!
e	5!	f	$\frac{6!}{2!}$

5

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

3 ♣	5 ♠	8 ♥
10 ♣		

a	5!	b	$\frac{4!}{4! \cdot 0!}$
c	$\frac{4!}{3!}$	d	$\frac{4!}{1! \cdot 3!}$
e	4!		

6

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

10 ♠	6 ♥	8 ♥
3 ♥		

a	$\frac{4!}{4! \cdot 0!}$	b	3!
c	$\frac{4!}{1! \cdot 3!}$	d	4!
e	$\frac{4!}{2!}$	f	$\frac{5!}{2!}$

7

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

6 ♦	Q ♠	3 ♠
10 ♠		

a	$\frac{4!}{4! \cdot 0!}$	b	$\frac{4!}{2!}$
c	4!	d	$\frac{6!}{3!}$