



Math worksheet on 'Probability Counting - Ways to O Cards, 1 Repeat - to Factorial Equation (Level 1)'. Pa broader unit on 'Probability and Statistics - Probabilit Factorials Practice'

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probabilty_with_factorials

2

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

4 ♥	7 ♦	5 ♥
7 ♦	7 ♦	

a	$\frac{6!}{2! \cdot 3!}$	b	$\frac{6!}{3! \cdot 3!}$
c	$\frac{5!}{5! \cdot 0!}$	d	$\frac{6!}{3!}$
e	$\frac{5!}{5!}$	f	$\frac{5!}{3!}$

1

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

3 ♠	2 ♣	8 ♣
2 ♣	K ♥	

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

3

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

K ♥	5 ♣	10 ♣
2 ♦	K ♥	

a	$\frac{7!}{2!}$	b	$\frac{5!}{5! \cdot 0!}$
c	$\frac{5!}{2! \cdot 2!}$	d	$\frac{5!}{2!}$
e	$\frac{5!}{2! \cdot 3!}$		

4

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

7 ♥	5 ♦	5 ♦
A ♠	6 ♠	

a	$\frac{5!}{5! \cdot 0!}$	b	$\frac{5!}{2! \cdot 3!}$
c	$\frac{5!}{2!}$	d	$\frac{3!}{2!}$
e	$\frac{5!}{4!}$	f	$\frac{6!}{2!}$

5

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

J ♠	J ♠	5 ♥
4 ♦	J ♠	

a	$\frac{5!}{3! \cdot 2!}$	b	$\frac{5!}{3!}$
c	$\frac{6!}{3!}$	d	$\frac{7!}{3!}$
e	$\frac{3!}{3!}$	f	$\frac{5!}{5! \cdot 0!}$

6

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

8 ♥	A ♥	A ♥
10 ♠	J ♥	

a	$\frac{5!}{5! \cdot 0!}$	b	$\frac{7!}{4! \cdot 2!}$
c	$\frac{5!}{2!}$	d	$\frac{3!}{2!}$
e	$\frac{6!}{2!}$	f	$\frac{7!}{2!}$

7

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

2 ♣	2 ♣	5 ♥
Q ♦	2 ♣	

a	$\frac{5!}{5! \cdot 0!}$	b	$\frac{7!}{3! \cdot 3!}$
c	$\frac{6!}{2! \cdot 3!}$	d	$\frac{5!}{3!}$
e	$\frac{5!}{3! \cdot 3!}$		