mobiu

Math worksheet on *'Probability Counting - Ways to O 3 Cards, 1 Repeat - to Factorial Equation (Level 1)'*. of a broader unit on *'Probability and Statistics - Probability with Factorials Intro'*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

1

3 ♠ 6 ♦ 6 ♦

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

a	$\dfrac{3!}{2!}$	b	$\dfrac{3!}{3!}$
c	$\dfrac{3!}{3! \cdot 0!}$		

2

9 ♠ 9 ♠ 5 ♣

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

a	$\dfrac{3!}{3! \cdot 0!}$	b	$\dfrac{4!}{2! \cdot 2!}$
c	$\dfrac{3!}{2!}$		

3

A ♦ J ♦ A ♦

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

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

4

A ♦ 5 ♦ 5 ♦

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

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

5

2 ♥ 2 ♥ 9 ♦

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

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

6

10 ♣ 4 ♠ 10 ♣

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

a	$\dfrac{3!}{2! \cdot 2!}$	b	$\dfrac{3!}{2! \cdot 3!}$
c	$\dfrac{3!}{2!}$	d	$\dfrac{3!}{3! \cdot 0!}$
e	$\dfrac{4!}{2!}$		

7

A ♦ 10 ♥ 10 ♥

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

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