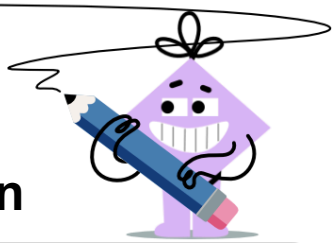
Name

Probability Counting - Ways to Order 5 Cards, 2 Repeats - to Factorial Equation



1

4♦ 9♣ 4♦ 4♦ 9♣

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

A	$\frac{5!}{3! \cdot 2!}$	B	$\frac{5!}{5! \cdot 0!}$
C	$\frac{3!}{3! \cdot 2!}$	D	$\frac{5!}{3! \cdot 3!}$

2

7♣ 7♣ 10♣ 10♣ 3♥

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

A	$\frac{6!}{3! \cdot 2! \cdot 2!}$	B	$\frac{5!}{2! \cdot 2!}$
C	$\frac{5!}{5! \cdot 0!}$	D	$\frac{3!}{2! \cdot 2!}$
E	$\frac{5!}{2! \cdot 4!}$	F	$\frac{5!}{2! \cdot 3!}$

3

Q♠ Q♠ 2♣ Q♠ 2♣

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

A	$\frac{4!}{2! \cdot 3!}$	B	$\frac{5!}{2! \cdot 5!}$
C	$\frac{5!}{5! \cdot 0!}$	D	$\frac{5!}{3! \cdot 3!}$
E	$\frac{5!}{2! \cdot 3!}$	F	$\frac{5!}{4! \cdot 3!}$

4

7♥ 7♥ 4♦ 4♦ 4♦

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

A	$\frac{5!}{3! \cdot 2!}$	B	$\frac{5!}{5! \cdot 0!}$
C	$\frac{3!}{3! \cdot 2!}$	D	$\frac{6!}{3! \cdot 2!}$

5

9♣ J♣ J♣ 6♦ 6♦

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

A	$\frac{5!}{2! \cdot 2!}$	B	$\frac{5!}{3! \cdot 2!}$
C	$\frac{6!}{2! \cdot 2!}$	D	$\frac{5!}{5! \cdot 0!}$
E	$\frac{5!}{2! \cdot 3!}$	F	$\frac{3!}{2! \cdot 2!}$

6

2♣ 2♣ Q♠ J♦ Q♠

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

A	$\frac{5!}{2! \cdot 2!}$	B	$\frac{5!}{5! \cdot 0!}$
C	$\frac{3!}{2! \cdot 2!}$	D	$\frac{5!}{4! \cdot 2!}$
E	$\frac{5!}{2! \cdot 4!}$		

7

K♠ 5♦ 5♦ 5♦ K♠

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

A	$\frac{5!}{3! \cdot 2!}$	B	$\frac{5!}{5! \cdot 0!}$
C	$\frac{5!}{3! \cdot 3!}$	D	$\frac{3!}{3! \cdot 2!}$
E	$\frac{7!}{3! \cdot 2!}$	F	$\frac{5!}{4! \cdot 2!}$

8

5♥ 3♣ 5♥ 3♣ 5♥

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

A	$\frac{5!}{3! \cdot 2!}$	B	$\frac{7!}{2! \cdot 3! \cdot 2!}$
C	$\frac{5!}{3! \cdot 4!}$	D	$\frac{3!}{3! \cdot 2!}$
E	$\frac{6!}{3! \cdot 3! \cdot 2!}$	F	$\frac{5!}{5! \cdot 0!}$