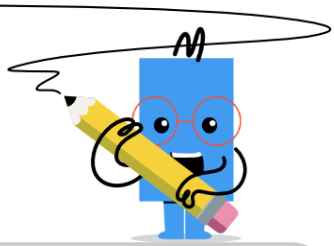
Name

Probability Counting - Ways to Order 5 Cards, 1 Repeat - to Factorial Equation



1

Q♦ 4♣ K♥ K♥ 8♠

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

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

2

2♣ 2♣ 5♥ Q♦ 2♣

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

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

3

10♠ 10♠ J♣ 10♠ 9♣

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

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

4

10♦ 10♦ 2♠ 7♣ 10♦

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

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

5

10♠ Q♠ 10♠ 10♠ 6♣

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

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

6

7♥ 5♦ 5♦ A♠ 6♠

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

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

7

A♥ J♦ K♥ J♦ 8♦

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

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

8

4♣ 10♦ Q♦ Q♦ Q♦

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

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