Name

Probability Counting - Duplicate Orders in 4 Cards, 1 Repeat - to Factorial Equation

1 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.

2♣ 3♦ 3♥ 4♦

A $2! \cdot 2!$ B $2! \cdot 3!$ C $3!$

D $2!$ E $\frac{1}{2! \cdot 1!}$ F $\frac{2!}{2! \cdot 1!}$

2 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.

Q♠ Q♣ Q♦ K♣

A $3!$ B $3! \cdot 3!$ C $3! \cdot 2!$

D $\frac{2!}{3! \cdot 1!}$ E $\frac{1}{3! \cdot 1!}$ F $4!$

3 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.

2♣ 3♣ 3♦ 4♣

A $2!$ B $3!$ C $\frac{2!}{2! \cdot 1!}$

D $2! \cdot 3!$ E $2! \cdot 2!$ F $\frac{1}{2! \cdot 1!}$

4 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.

9♥ 10♣ J♣ J♠

A $\frac{2!}{2! \cdot 1!}$ B $3!$ C $\frac{1}{2! \cdot 1!}$

D $4!$ E $2! \cdot 2!$ F $2!$

5 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.

5♠ 6♣ 6♠ 6♥

A $\frac{2!}{3! \cdot 1!}$ B $3!$ C $3! \cdot 3!$

D $4!$ E $3! \cdot 2!$ F $\frac{1}{3! \cdot 1!}$

6 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.

5♠ 6♠ 6♥ 6♣

A $4!$ B $\frac{2!}{3! \cdot 1!}$ C $5!$

D $3! \cdot 2!$ E $\frac{1}{3! \cdot 1!}$ F $3!$

7 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.

J♥ Q♠ Q♣ Q♦

A $\frac{2!}{3! \cdot 1!}$ B $4!$ C $\frac{1}{3! \cdot 1!}$

D $5!$ E $3!$ F $3! \cdot 2!$

8 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.

10♠ J♣ J♥ J♦

A $\frac{1}{3! \cdot 1!}$ B $3!$ C $3! \cdot 3!$

D $5!$ E $4!$ F $\frac{2!}{3! \cdot 1!}$