Name

Probability Counting - Ways to Order 5 Cards, 0 Repeats - to Equation

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

8♦ 9♦ J♣ 4♦ A♦

A $4 \cdot 3 \cdot 2$

B $\frac{5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$

C $\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$

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

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

F $5 \cdot 4 \cdot 3 \cdot 2$

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

5♦ 4♠ J♦ 6♦ 2♥

A $7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2$

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

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

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

E $5 \cdot 4 \cdot 3 \cdot 2$

F $\frac{7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{2}$

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

A♥ Q♣ 8♠ 2♠ 9♥

A $\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$

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

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

D $4 \cdot 3 \cdot 2$

E $\frac{5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$

F $5 \cdot 4 \cdot 3 \cdot 2$

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

A♦ K♣ Q♣ 7♠ 8♠

A $4 \cdot 3 \cdot 2$

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

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

D $6 \cdot 5 \cdot 4 \cdot 3 \cdot 2$

E $5 \cdot 4 \cdot 3 \cdot 2$

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

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

10♦ 2♣ 6♥ 5♣ A♣

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

B $4 \cdot 3 \cdot 2$

C $3 \cdot 2$

D $5 \cdot 4 \cdot 3 \cdot 2$

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

F $\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$

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

10♥ 8♦ 3♥ 6♠ 2♣

A $\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$

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

C $\frac{7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$

D $5 \cdot 4 \cdot 3 \cdot 2$

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

F $3 \cdot 2$

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

Q♣ J♣ 8♠ 7♦ A♠

A $\frac{5 \cdot 4 \cdot 3 \cdot 2}{2}$

B $5 \cdot 4 \cdot 3 \cdot 2$

C $\frac{5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$

D $3 \cdot 2$

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

F $4 \cdot 3 \cdot 2$

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

A♣ 8♦ 4♠ 6♦ K♦

A $5 \cdot 4 \cdot 3 \cdot 2$

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

C $3 \cdot 2$

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

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