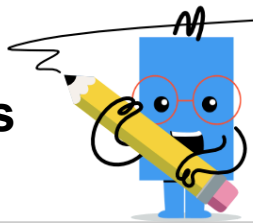
Name

Probability Counting - Duplicate Orders in 5 Cards, 1 Repeat - to Equation



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

7♥ 7♠ 8♠ 9♠ 10♦

A $4 \cdot 3 \cdot 2$

B $\frac{1}{2 \cdot 1}$

C $3 \cdot 2$

D 2

E $\frac{2}{2 \cdot 1}$

F $2 \cdot 2$

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

2♦ 2♠ 2♣ 3♠ 4♥

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

B $3 \cdot 2 \cdot 2$

C $3 \cdot 2 \cdot 3 \cdot 2$

D $4 \cdot 3 \cdot 2$

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

F $3 \cdot 2$

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

4♥ 5♣ 5♥ 6♦ 7♣

A $\frac{1}{2 \cdot 1}$

B 2

C $\frac{2}{2 \cdot 1}$

D $2 \cdot 3 \cdot 2$

E $4 \cdot 3 \cdot 2$

F $2 \cdot 2$

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

3♦ 4♣ 4♥ 4♠ 5♦

A $3 \cdot 2$

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

C $3 \cdot 2 \cdot 2$

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

E $3 \cdot 2 \cdot 3 \cdot 2$

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

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

9♣ 10♠ J♠ J♦ J♥

A $3 \cdot 2$

B $3 \cdot 2 \cdot 2$

C $3 \cdot 2 \cdot 3 \cdot 2$

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

E $4 \cdot 3 \cdot 2$

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

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

2♣ 2♠ 2♦ 3♦ 4♠

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

B $3 \cdot 2 \cdot 2$

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

D $4 \cdot 3 \cdot 2$

E $3 \cdot 2$

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

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

6♥ 7♠ 8♠ 8♥ 8♣

A $4 \cdot 3 \cdot 2$

B $3 \cdot 2 \cdot 3 \cdot 2$

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

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

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

F $3 \cdot 2$

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

6♣ 7♥ 8♠ 8♣ 8♦

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

B $3 \cdot 2$

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

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

E $4 \cdot 3 \cdot 2$

F $3 \cdot 2 \cdot 2$