

## Probability Counting - Duplicate Orders in 5 Cards, 2 Repeat - to Equation

**1** How many ways can these cards be arranged to still be arranged



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

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

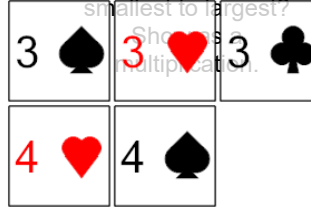
C  $2 \cdot 4 \cdot 3 \cdot 2$

D  $3 \cdot 2 \cdot 3 \cdot 2$

E  $2 \cdot 3 \cdot 2$

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

**2** How many ways can these cards be arranged to still be arranged



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

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

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

D  $2 \cdot 3 \cdot 2$

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

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

**3** How many ways can these cards be arranged to still be arranged



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

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

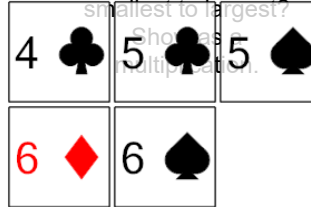
C  $3 \cdot 2 \cdot 2$

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

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

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

**4** How many ways can these cards be arranged to still be arranged



A  $3 \cdot 2 \cdot 2$

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

C  $2 \cdot 3 \cdot 2$

D  $2 \cdot 2$

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

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

**5** How many ways can these cards be arranged to still be arranged



A  $3 \cdot 2 \cdot 2$

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

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

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

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

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

**6** How many ways can these cards be arranged to still be arranged



A  $2 \cdot 3 \cdot 2$

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

C  $2 \cdot 4 \cdot 3 \cdot 2$

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

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

F  $3 \cdot 2 \cdot 3 \cdot 2$

**7** How many ways can these cards be arranged to still be arranged



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

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

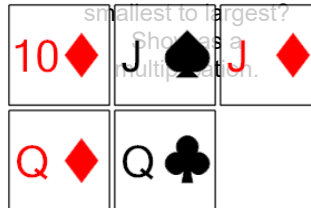
C  $3 \cdot 2 \cdot 3 \cdot 2$

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

E  $2 \cdot 3 \cdot 2$

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

**8** How many ways can these cards be arranged to still be arranged



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

B  $3 \cdot 2 \cdot 2$

C  $2 \cdot 2$

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

E  $2 \cdot 3 \cdot 2$

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