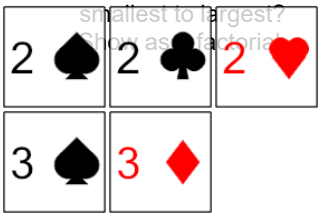
Name

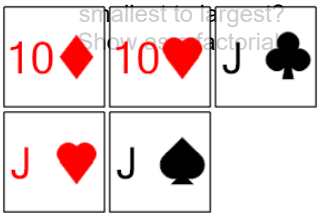
Probability Counting - Duplicate Orders in 5 Cards, 2 Repeats - to Factorial Equation

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



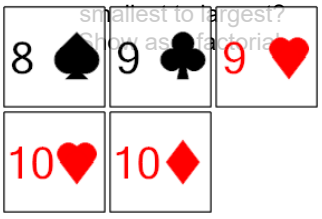
A	B	C
$\frac{1}{3! \cdot 2!}$	$3! \cdot 2!$	$\frac{2!}{3! \cdot 2!}$
D	E	F
$3! \cdot 3!$	$5! \cdot 2!$	$4! \cdot 2!$

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



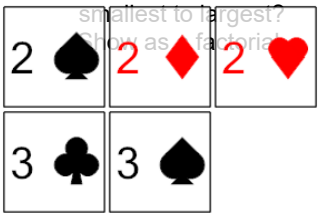
A	B	C
$5! \cdot 2!$	$3! \cdot 3!$	$3! \cdot 4!$
D	E	F
$\frac{1}{3! \cdot 2!}$	$\frac{2!}{3! \cdot 2!}$	$3! \cdot 2!$

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



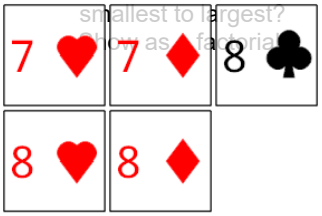
A	B	C
$3! \cdot 2!$	$2! \cdot 3!$	$\frac{1}{2! \cdot 2!}$
D	E	F
$\frac{2!}{2! \cdot 2!}$	$4! \cdot 2!$	$2! \cdot 2!$

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



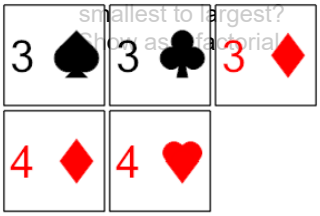
A	B	C
$\frac{2!}{2! \cdot 3!}$	$2! \cdot 5!$	$3! \cdot 3!$
D	E	F
$2! \cdot 4!$	$2! \cdot 3!$	$4! \cdot 3!$

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



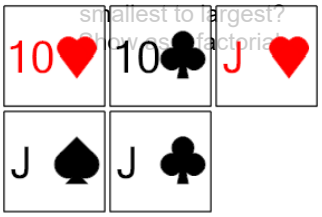
A	B	C
$3! \cdot 4!$	$4! \cdot 2!$	$5! \cdot 2!$
D	E	F
$\frac{1}{3! \cdot 2!}$	$3! \cdot 2!$	$\frac{2!}{3! \cdot 2!}$

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



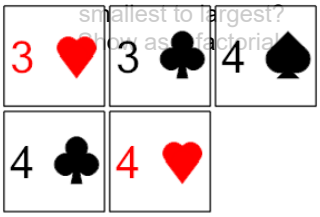
A	B	C
$\frac{2!}{2! \cdot 3!}$	$2! \cdot 5!$	$2! \cdot 3!$
D	E	F
$3! \cdot 3!$	$4! \cdot 3!$	$\frac{1}{2! \cdot 3!}$

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



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

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



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