



Math worksheet on 'Probability Counting - Duplicate Orders in 3 Cards, 1 Repeat - to Factorial Equation (Level 1)'. Part of a broader unit on 'Probability and Statistics - Probability with Factorials Intro'

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

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



a $\frac{1}{2! \cdot 1!}$	b $2! \cdot 3!$	c $4!$
d $2!$	e $2! \cdot 2!$	f $\frac{2!}{2! \cdot 1!}$

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



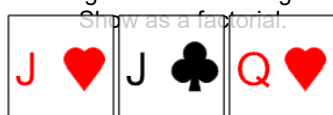
a $3!$	b $4!$	c $2! \cdot 3!$
d $2!$	e $\frac{1}{2! \cdot 1!}$	f $\frac{2!}{2! \cdot 1!}$

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



a $4!$	b $2! \cdot 2!$	c $\frac{1}{2! \cdot 1!}$
d $\frac{2!}{2! \cdot 1!}$	e $3!$	f $2!$

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



a $2!$	b $3!$	c $2! \cdot 2!$
d $\frac{1}{2! \cdot 1!}$	e $2! \cdot 3!$	f $\frac{2!}{2! \cdot 1!}$

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



a $2! \cdot 3!$	b $4!$	c $3!$
d $2!$	e $\frac{2!}{2! \cdot 1!}$	f $\frac{1}{2! \cdot 1!}$

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



a $\frac{1}{2! \cdot 1!}$	b $2! \cdot 3!$	c $2!$
d $2! \cdot 2!$	e $3!$	f $\frac{2!}{2! \cdot 1!}$

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



a $4!$	b $\frac{1}{2! \cdot 1!}$	c $\frac{2!}{2! \cdot 1!}$
d $2! \cdot 3!$	e $2!$	f $2! \cdot 2!$