



Math worksheet on 'Probability Counting - Duplicate Orders in 5 Cards, 1 Repeat - to Factorial Equation (Level 1)'. Part of a broader unit on 'Probability and Statistics - Probability with Factorials Intro'

Learn online:

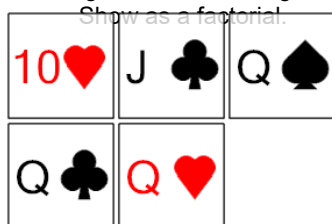
[app.mobius.academy/math/units/probability\\_and\\_statistics\\_probability\\_with\\_factorials](http://app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials)

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



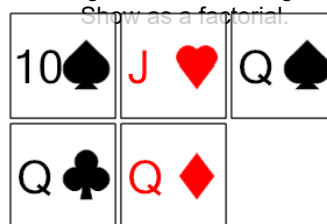
a $\frac{1}{2! \cdot 1!}$	b $2! \cdot 2!$	c $4!$
d $2!$	e $3!$	f $2! \cdot 3!$

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



a $5!$	b $3!$	c $4!$
d $\frac{1}{3! \cdot 1!}$	e $3! \cdot 2!$	f $\frac{2!}{3! \cdot 1!}$

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



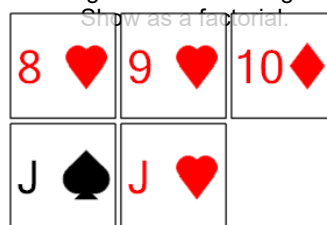
a $\frac{1}{3! \cdot 1!}$	b $5!$	c $3!$
d $\frac{2!}{3! \cdot 1!}$	e $3! \cdot 3!$	f $3! \cdot 2!$

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



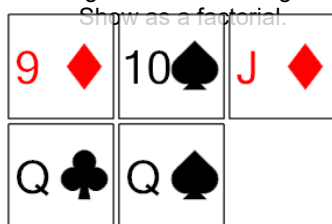
a $\frac{1}{3! \cdot 1!}$	b $5!$	c $\frac{2!}{3! \cdot 1!}$
d $3!$	e $3! \cdot 2!$	f $3! \cdot 3!$

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



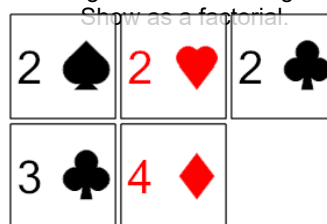
a $2!$	b $3!$	c $4!$
d $\frac{1}{2! \cdot 1!}$	e $2! \cdot 2!$	f $2! \cdot 3!$

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



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

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



a $4!$	b $3! \cdot 2!$	c $5!$
d $3!$	e $3! \cdot 3!$	f $\frac{1}{3! \cdot 1!}$