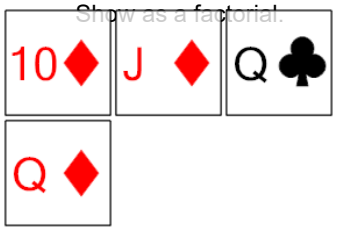
Math worksheet on *'Probability Counting - Duplicate (in 4 Cards, 1 Repeat - to Factorial Equation (Level 1)* of a broader unit on *'Probability and Statistics - Prob with Factorials Practice'*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

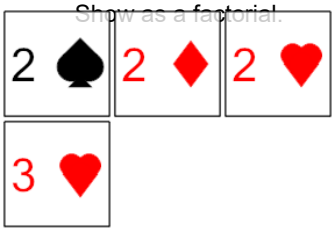
1 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.



a $2!$ **b** $4!$ **c** $2! \cdot 2!$

d $\frac{1}{2! \cdot 1!}$ **e** $\frac{2!}{2! \cdot 1!}$ **f** $2! \cdot 3!$

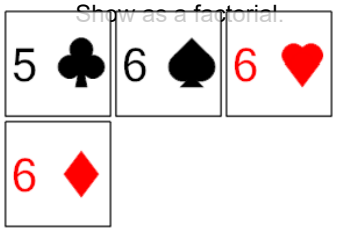
2 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.



a $4!$ **b** $3!$ **c** $\frac{2!}{3! \cdot 1!}$

d $3! \cdot 3!$ **e** $5!$ **f** $3! \cdot 2!$

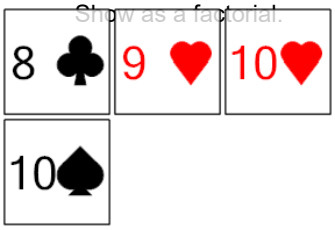
3 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.



a $\frac{2!}{3! \cdot 1!}$ **b** $\frac{1}{3! \cdot 1!}$ **c** $5!$

d $3! \cdot 2!$ **e** $3!$ **f** $4!$

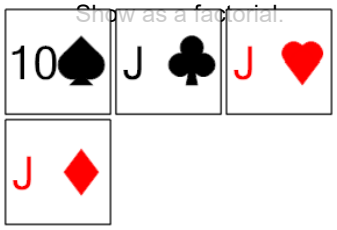
4 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.



a $\frac{1}{2! \cdot 1!}$ **b** $\frac{2!}{2! \cdot 1!}$ **c** $2! \cdot 3!$

d $3!$ **e** $4!$ **f** $2!$

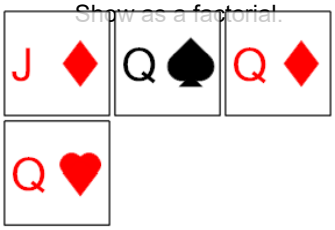
5 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.



a $3! \cdot 3!$ **b** $3!$ **c** $\frac{2!}{3! \cdot 1!}$

d $4!$ **e** $\frac{1}{3! \cdot 1!}$ **f** $5!$

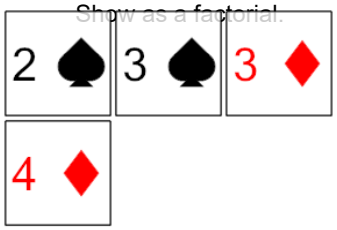
6 How many ways can these cards be arranged to still be arranged smallest to largest? Show as a factorial.



a $3! \cdot 2!$ **b** $3!$ **c** $\frac{1}{3! \cdot 1!}$

d $4!$ **e** $\frac{2!}{3! \cdot 1!}$ **f** $5!$

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



a $2! \cdot 2!$ **b** $\frac{2!}{2! \cdot 1!}$ **c** $2!$

d $3!$ **e** $\frac{1}{2! \cdot 1!}$ **f** $4!$