Math worksheet on *'Probability Counting - Choose I Count of Favorable Outcomes - To Factorial Equation* a broader unit on *'Probability and Statistics - Perr Combinations Calculating - Practice*

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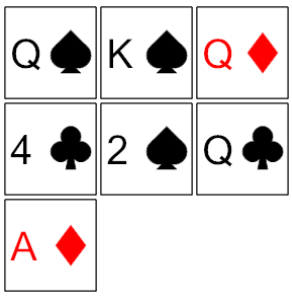
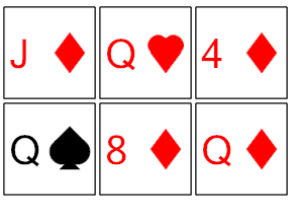
1



How many ways can two Queens be drawn from this set? Show as a factorial.

a $\frac{2!}{3! \cdot 1!}$	**b** $\frac{5!}{4! \cdot 1!}$
c $\frac{4!}{2! \cdot 2!}$	**d** $3!$
e $\frac{3!}{3! \cdot 0!}$	**f** $\frac{3!}{2! \cdot 1!}$

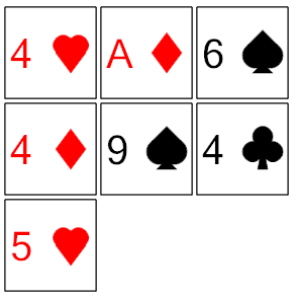
2



How many ways can two Queens be drawn from this set? Show as a factorial.

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

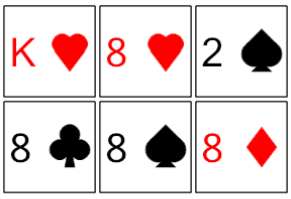
3



How many ways can two 4s be drawn from this set? Show as a factorial.

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

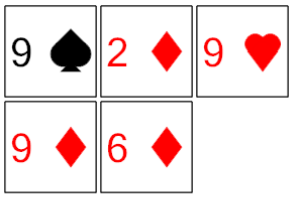
4



How many ways can three 8s be drawn from this set? Show as a factorial.

a $\frac{4!}{3! \cdot 1!}$	**b** $\frac{3!}{4! \cdot 1!}$
c $\frac{3!}{2! \cdot 1!}$	**d** $\frac{3!}{3! \cdot 0!}$
e $4!$	**f** $\frac{4!}{4! \cdot 0!}$

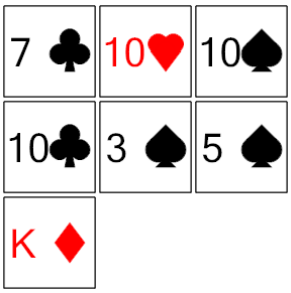
5



How many ways can two 9s be drawn from this set? Show as a factorial.

a $\frac{3!}{2! \cdot 1!}$	**b** $3!$
c $\frac{2!}{3! \cdot 1!}$	**d** $\frac{3!}{3! \cdot 0!}$

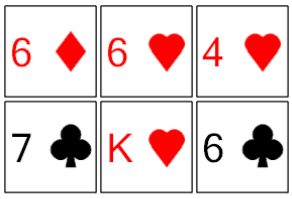
6



How many ways can two 10s be drawn from this set? Show as a factorial.

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

7



How many ways can two 6s be drawn from this set? Show as a factorial.

a $\frac{3!}{2! \cdot 1!}$	**b** $3!$
c $\frac{2!}{3! \cdot 1!}$	**d** $\frac{3!}{3! \cdot 0!}$