

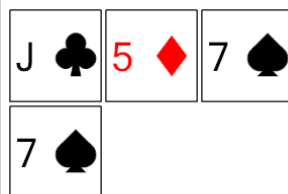


Math worksheet on 'Probability Counting - Ways to O 4 Cards, 1 Repeat - to Factorial Equation (Level 1)'. I of a broader unit on 'Probability and Statistics - Probability with Factorials Intro'

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

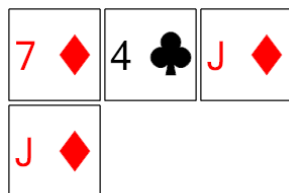
1



How many distinct ways can these cards be ordered? Show as a factorial.

a	$\frac{5!}{2!}$	b	$\frac{4!}{4! \cdot 0!}$
c	$\frac{4!}{2!}$	d	$\frac{6!}{3! \cdot 2!}$
e	$\frac{4!}{4!}$	f	$\frac{4!}{2! \cdot 3!}$

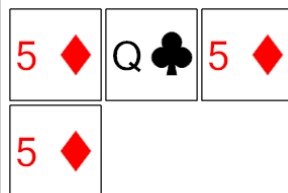
2



How many distinct ways can these cards be ordered? Show as a factorial.

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

3



How many distinct ways can these cards be ordered? Show as a factorial.

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

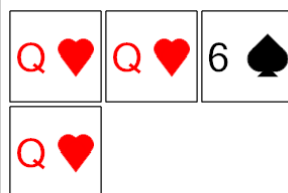
4



How many distinct ways can these cards be ordered? Show as a factorial.

a	$\frac{4!}{3!}$	b	$\frac{4!}{2! \cdot 2!}$
c	$\frac{4!}{4! \cdot 0!}$	d	$\frac{3!}{2!}$
e	$\frac{6!}{4! \cdot 2!}$	f	$\frac{4!}{2!}$

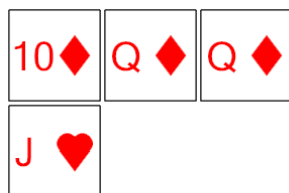
5



How many distinct ways can these cards be ordered? Show as a factorial.

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

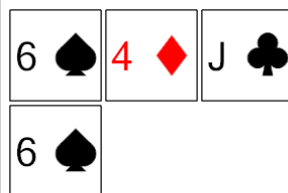
6



How many distinct ways can these cards be ordered? Show as a factorial.

a	$\frac{4!}{4! \cdot 0!}$	b	$\frac{4!}{4!}$
c	$\frac{4!}{3!}$	d	$\frac{4!}{2!}$
e	$\frac{6!}{2!}$	f	$\frac{6!}{2! \cdot 2!}$

7



How many distinct ways can these cards be ordered? Show as a factorial.

a	$\frac{3!}{2!}$	b	$\frac{4!}{4!}$
c	$\frac{4!}{4! \cdot 0!}$	d	$\frac{4!}{2!}$