

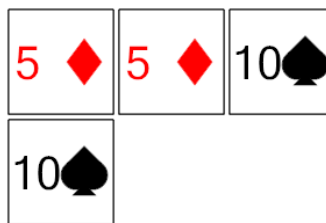


Math worksheet on 'Probability Counting - Ways to Cards, 2 Repeats - to Equation (Level 1)'. Part of a unit on 'Probability and Statistics - Binomial Notation'

Learn online:

app.mobius.academy/math/units/probability_and_statistics/probability_with_binomial

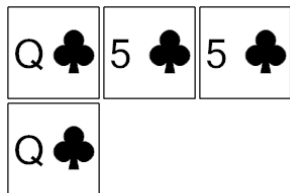
1 How many distinct ways can these cards be ordered? Show as a multiplication.



a	$\frac{4 \cdot 3 \cdot 2}{2 \cdot 2}$	b	$\frac{4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 2}$
c	$\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$	d	$\frac{4 \cdot 3 \cdot 2}{2 \cdot 3 \cdot 2}$
e	$\frac{6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{2 \cdot 2}$	f	$\frac{4 \cdot 3 \cdot 2}{2 \cdot 4 \cdot 3 \cdot 2}$

2

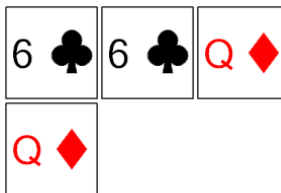
How many distinct ways can these cards be ordered? Show as a multiplication.



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

3

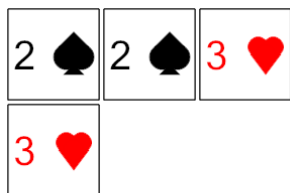
How many distinct ways can these cards be ordered? Show as a multiplication.



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

4

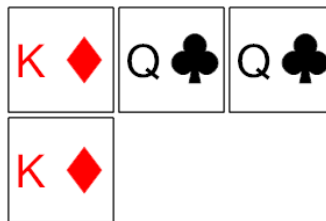
How many distinct ways can these cards be ordered? Show as a multiplication.



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

5

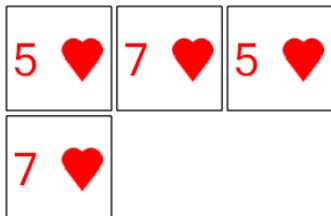
How many distinct ways can these cards be ordered? Show as a multiplication.



a	$\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$	b	$\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 2}$
c	$\frac{4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 2}$	d	$\frac{4 \cdot 3 \cdot 2}{2 \cdot 2 \cdot 2}$
e	$\frac{6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 2 \cdot 2}$	f	$\frac{4 \cdot 3 \cdot 2}{2 \cdot 2}$

6

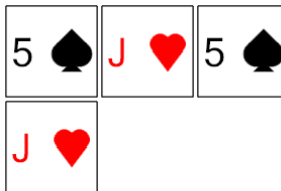
How many distinct ways can these cards be ordered? Show as a multiplication.



a	$\frac{5 \cdot 4 \cdot 3 \cdot 2}{2 \cdot 2}$	b	$\frac{4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 2}$
c	$\frac{4 \cdot 3 \cdot 2}{2 \cdot 3 \cdot 2}$	d	$\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$
e	$\frac{6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 2 \cdot 2}$	f	$\frac{4 \cdot 3 \cdot 2}{2 \cdot 2}$

7

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



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