



Math worksheet on 'Probability Counting - Duplicate (in 5 Cards, 1 Repeat - to Factorial Equation (Level 1)) of a broader unit on 'Probability and Statistics - Probability 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	b	c
3!	3! · 3!	4!
d	e	f
$\frac{1}{3! \cdot 1!}$	$\frac{2!}{3! \cdot 1!}$	3! · 2!

2 How many ways can these cards be arranged to still be arranged smallest to largest?

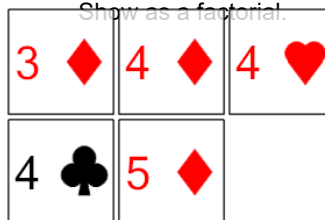
Show as a factorial.



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

3 How many ways can these cards be arranged to still be arranged smallest to largest?

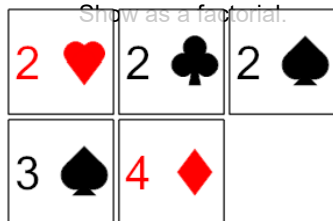
Show as a factorial.



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

4 How many ways can these cards be arranged to still be arranged smallest to largest?

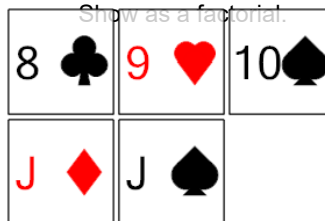
Show as a factorial.



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

5 How many ways can these cards be arranged to still be arranged smallest to largest?

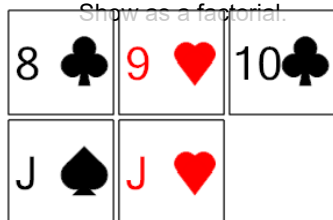
Show as a factorial.



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

6 How many ways can these cards be arranged to still be arranged smallest to largest?

Show as a factorial.



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

7 How many ways can these cards be arranged to still be arranged smallest to largest?

Show as a factorial.



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