

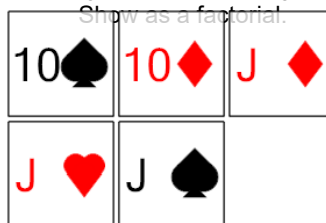


Math worksheet on 'Probability Counting - Duplicate 5 Cards, 2 Repeats - to Factorial Equation (Level 1)'.
broader unit on 'Probability and Statistics - Binomial Intro'

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_binomial

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



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

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



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

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



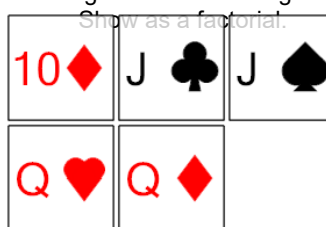
a	b	c
$\frac{1}{3! \cdot 2!}$	$\frac{2!}{3! \cdot 2!}$	$5! \cdot 2!$
d	e	f
$3! \cdot 2!$	$4! \cdot 2!$	$3! \cdot 3!$

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



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

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



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

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



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

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



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