



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:

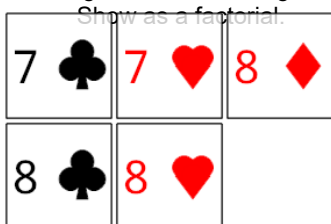
[app.mobius.academy/math/units/probability\\_and\\_statistics\\_probability\\_with\\_binomial](http://app.mobius.academy/math/units/probability_and_statistics_probability_with_binomial)

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



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

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



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

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



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

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



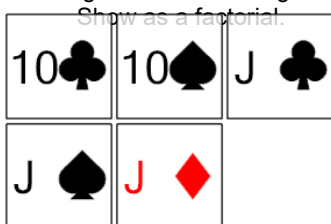
<b>a</b>	<b>b</b>	<b>c</b>
$4! \cdot 3!$	$\frac{1}{2! \cdot 3!}$	$2! \cdot 3!$
<b>d</b>	<b>e</b>	<b>f</b>
$2! \cdot 5!$	$3! \cdot 3!$	$\frac{2!}{2! \cdot 3!}$

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



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

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



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

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



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