

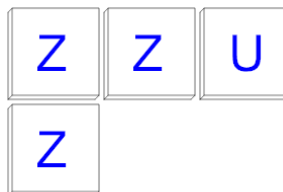


Math worksheet on 'Probability Counting - Ways to O  
4 Letters, 1 Repeat - to Factorial Equation (Level 1)'.  
of a broader unit on 'Probability and Statistics -  
Probability with Factorials Intro'

Learn online:

[app.mobius.academy/math/units/probability\\_and\\_statistics/probability\\_with\\_factorials](http://app.mobius.academy/math/units/probability_and_statistics/probability_with_factorials)

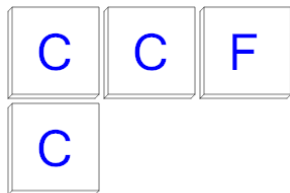
1



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

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

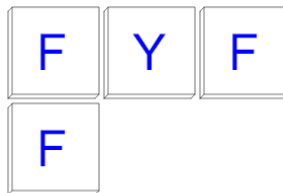
2



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

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

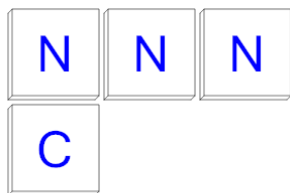
3



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

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

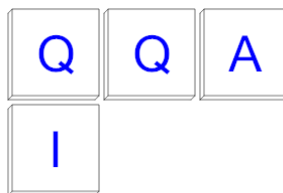
4



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

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

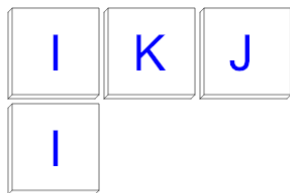
5



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

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

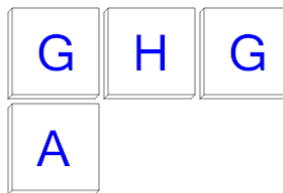
6



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

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

7



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

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