



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

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

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

Y	L	F
Y	X	

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

1

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

H	T	H
L	H	

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

3

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

L	H	H
O	H	

a	$\frac{5!}{3!}$	b	$\frac{5!}{5!}$
c	$\frac{5!}{3! \cdot 3!}$	d	$\frac{5!}{5! \cdot 0!}$
e	$\frac{7!}{3!}$	f	$\frac{5!}{4!}$

4

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

F	N	N
N	Z	

a	$\frac{5!}{5! \cdot 0!}$	b	$\frac{7!}{2! \cdot 3!}$
c	$\frac{5!}{5!}$	d	$\frac{5!}{3!}$
e	$\frac{4!}{3!}$	f	$\frac{5!}{3! \cdot 3!}$

5

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

W	C	J
L	J	

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

6

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

A	G	B
G	Q	

a	$\frac{5!}{2!}$	b	$\frac{5!}{5! \cdot 0!}$
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7

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

N	M	N
P	N	

a	$\frac{7!}{3!}$	b	$\frac{5!}{3! \cdot 3!}$
c	$\frac{5!}{5! \cdot 0!}$	d	$\frac{5!}{5!}$
e	$\frac{5!}{3!}$		