



Math worksheet on 'Probability Counting - Ways to O Letters, 0 Repeats - to Factorial Equation (Level 1)'. Part 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

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

N	T	V
M		

a	$\frac{4!}{1! \cdot 2!}$	b	$3!$
c	$\frac{4!}{3!}$	d	$\frac{4!}{1! \cdot 3!}$
e	$\frac{4!}{4! \cdot 0!}$	f	$4!$

1

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

P	D	R
G		

a	$4!$	b	$\frac{4!}{4! \cdot 0!}$
c	$6!$	d	$3!$
e	$\frac{4!}{1! \cdot 3!}$	f	$5!$

3

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

O	I	C
K		

a	$\frac{4!}{1! \cdot 3!}$	b	$\frac{4!}{4! \cdot 0!}$
c	$5!$	d	$6!$
e	$4!$	f	$3!$

4

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

L	B	H
D		

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

5

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

B	C	K
Q		

a	$4!$	b	$\frac{4!}{1! \cdot 3!}$
c	$5!$	d	$\frac{4!}{4! \cdot 0!}$
e	$\frac{6!}{4!}$	f	$\frac{4!}{3!}$

6

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

O	R	M
E		

a	$4!$	b	$\frac{4!}{2!}$
c	$\frac{4!}{4! \cdot 0!}$	d	$\frac{4!}{3!}$
e	$3!$	f	$\frac{4!}{1! \cdot 3!}$

7

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

C	R	M
Y		

a	$\frac{4!}{4! \cdot 0!}$	b	$4!$
c	$\frac{4!}{1! \cdot 2!}$	d	$5!$
e	$6!$	f	$\frac{4!}{2!}$