



Probability Counting - Ways to Order 3 Letters, 0 Repeats - to Factorial Equation

1

G M T

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

A	$3!$	B	$\frac{3!}{1! \cdot 2!}$
C	$\frac{3!}{3! \cdot 0!}$	D	$\frac{3!}{3!}$

2

L O B

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

A	$\frac{3!}{1! \cdot 2!}$	B	$\frac{3!}{1! \cdot 3!}$
C	$3!$	D	$\frac{3!}{2!}$
E	$\frac{3!}{3! \cdot 0!}$	F	$4!$

3

P T I

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

A	$\frac{3!}{3!}$	B	$\frac{3!}{3! \cdot 0!}$
C	$\frac{3!}{1! \cdot 3!}$	D	$3!$

4

Q D C

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

A	$\frac{5!}{3!}$	B	$3!$
C	$\frac{3!}{1! \cdot 3!}$	D	$\frac{3!}{3! \cdot 0!}$

5

L S B

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

A	$\frac{3!}{1! \cdot 2!}$	B	$\frac{3!}{3! \cdot 0!}$
C	$\frac{3!}{1! \cdot 3!}$	D	$\frac{4!}{2!}$
E	$\frac{3!}{2!}$	F	$3!$

6

O Y D

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

A	$5!$	B	$\frac{3!}{3! \cdot 0!}$
C	$\frac{4!}{2!}$	D	$\frac{3!}{2!}$
E	$3!$	F	$\frac{3!}{1! \cdot 2!}$

7

C D I

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

A	$\frac{3!}{1! \cdot 2!}$	B	$3!$
C	$\frac{3!}{3! \cdot 0!}$		

8

T E V

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

A	$\frac{4!}{2!}$	B	$3!$
C	$\frac{3!}{1! \cdot 3!}$	D	$\frac{3!}{3!}$
E	$\frac{3!}{3! \cdot 0!}$		