



Probability Counting - Ways to Order 3 Letters, 1 Repeat - to Factorial Equation

1

B B Q

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

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

2

U U Z

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

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

3

G G M

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

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

4

Z C C

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

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

5

V D V

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

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

6

D R D

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

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

7

I T I

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

A	$\frac{5!}{2!}$	B	$\frac{3!}{3! \cdot 0!}$
C	$\frac{3!}{3!}$	D	$\frac{3!}{2!}$

8

N Q N

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

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