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Math worksheet on *'Probability Counting - Ways to O 3 Letters, 0 Repeats - to Factorial Equation (Level 1* Part of a broader unit on *'Probability and Statistics Probability with Factorials Intro'*

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app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

1

L M V

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

a	$\dfrac{3!}{3!}$	**b**	$3!$
c	$\dfrac{4!}{2!}$	**d**	$\dfrac{3!}{2!}$
e	$\dfrac{3!}{3! \cdot 0!}$		

2

P B Z

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

a	$\dfrac{5!}{3!}$	**b**	$\dfrac{3!}{3! \cdot 0!}$
c	$3!$	**d**	$\dfrac{3!}{1! \cdot 2!}$

3

V D S

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

a	$3!$	**b**	$\dfrac{3!}{3!}$
c	$\dfrac{3!}{3! \cdot 0!}$		

4

D G Z

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

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

5

N P H

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

a	$\dfrac{3!}{3! \cdot 0!}$	**b**	$\dfrac{3!}{1! \cdot 2!}$
c	$\dfrac{3!}{3!}$	**d**	$3!$

6

G M T

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

a	$\dfrac{3!}{3!}$	**b**	$\dfrac{3!}{1! \cdot 2!}$
c	$3!$	**d**	$\dfrac{3!}{3! \cdot 0!}$

7

J T X

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

a	$5!$	**b**	$\dfrac{4!}{2!}$
c	$\dfrac{3!}{1! \cdot 2!}$	**d**	$3!$
e	$\dfrac{5!}{2!}$	**f**	$\dfrac{3!}{3! \cdot 0!}$