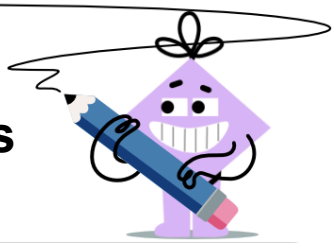
Name



Probability Counting - Duplicate Orders in 5 Letters, 1 Repeat - to Factorial Equation

1

S	P	I
L	L	

How many ways can these letter tiles be ordered to spell 'SPILL'? Show as a factorial.

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

2

P	I	Z
Z	A	

How many ways can these letter tiles be ordered to spell 'PIZZA'? Show as a factorial.

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

3

A	P	P
L	E	

How many ways can these letter tiles be ordered to spell 'APPLE'? Show as a factorial.

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

4

G	R	A
S	S	

How many ways can these letter tiles be ordered to spell 'GRASS'? Show as a factorial.

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

5

T	O	T
E	M	

How many ways can these letter tiles be ordered to spell 'TOTEM'? Show as a factorial.

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

6

B	O	B
B	Y	

How many ways can these letter tiles be ordered to spell 'BOBBY'? Show as a factorial.

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

7

B	U	B
B	Y	

How many ways can these letter tiles be ordered to spell 'BUBBY'? Show as a factorial.

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

8

S	A	S
S	Y	

How many ways can these letter tiles be ordered to spell 'SASSY'? Show as a factorial.

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