Math worksheet on *'Probability Counting - Duplicat Orders in 5 Letters, 1 Repeat - to Factorial Equatio (Level 1)'*. Part of a broader unit on *'Probability an Statistics - Probability with Factorials Intro'*

Learn online:
app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

1

B	O	B
B	Y	

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

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

2

T	O	T
E	M	

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

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

3

F	O	O
L	S	

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

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

4

S	A	S
S	Y	

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

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

5

S	P	I
L	L	

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

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

6

B	U	B
B	Y	

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

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

7

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	$2! \cdot 3!$	**d**	$3!$
e	$4!$	**f**	$2!$