Math worksheet on *'Probability Counting - Duplicat Orders in 3 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

O F F

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

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

2

I N N

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

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

3

A L L

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

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

4

N O N

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

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

5

P O P

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

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

6

A P P

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

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

7

B O B

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

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