Math worksheet on *'Probability Counting - Duplicat Orders in 4 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

F E E T

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

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

2

M U M M

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

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

3

P R E P

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

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

4

T E N T

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

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

5

T A T T

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

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

6

S A S S

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

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

7

H U S H

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

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