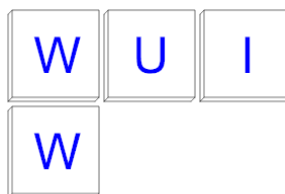mobiu

Math worksheet on *'Probability Counting - Ways to O 4 Letters, 1 Repeat - to Factorial Equation (Level 1)'*. of a broader unit on *'Probability and Statistics - Probability with Factorials Intro'*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials
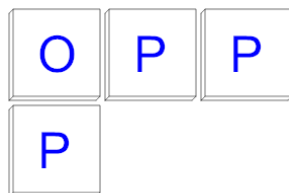
1

W U I
W

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

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

2

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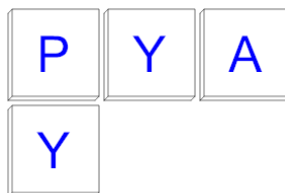
How many distinct ways can these letter tiles be ordered? Show as a factorial.

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

3

P Y A
Y

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

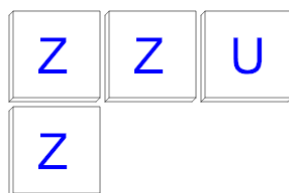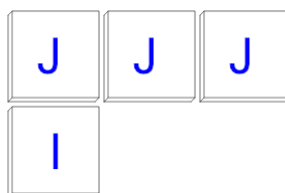| a	$\dfrac{3!}{2!}$	b	$\dfrac{4!}{4! \cdot 0!}$
c	$\dfrac{4!}{2!}$	d	$\dfrac{6!}{3! \cdot 2!}$

4

Z Z U
Z

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

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

5

J J J
I

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

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

6

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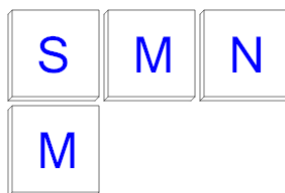Q
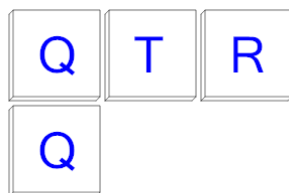
How many distinct ways can these letter tiles be ordered? Show as a factorial.

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

7

S M N
M

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

a	$\dfrac{4!}{2! \cdot 2!}$	b	$\dfrac{6!}{2! \cdot 2!}$
c	$\dfrac{4!}{2!}$	d	$\dfrac{6!}{3! \cdot 2!}$
e	$\dfrac{4!}{4! \cdot 0!}$	f	$\dfrac{3!}{2!}$