mobi

Math worksheet on *'Probability Counting - Ways to Letters, 2 Repeats - to Factorial Equation (Level 1)'*. broader unit on *'Probability and Statistics - Binomial Intro'*

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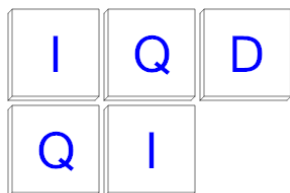

1

B	W	W
W	B	

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

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

2

I	Q	D
Q	I	

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

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

3

Y	C	C
C	Y	

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

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

4

W	L	W
N	N	

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

a	$\dfrac{5!}{3! \cdot 2!}$	**b**	$\dfrac{5!}{2! \cdot 2! \cdot 2!}$
c	$\dfrac{5!}{2! \cdot 3!}$	**d**	$\dfrac{5!}{2! \cdot 2!}$
e	$\dfrac{7!}{2! \cdot 2!}$	**f**	$\dfrac{5!}{5! \cdot 0!}$

5

R	T	K
T	R	

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

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

6

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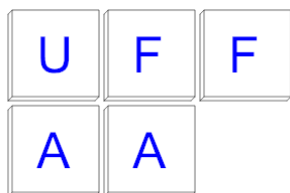
How many distinct ways can these letter tiles be ordered? Show as a factorial.

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

7

E	C	C
C	E	

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

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