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Math worksheet on *'Probability Counting - Ways to O 3 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

B   B   W

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

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

2

S   C   C

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

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

3

V   V   U

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

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

4

B   L   L

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

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

5

O   W   W

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

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

6

D   D   R

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

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

7

Q   Q   X

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

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