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Math worksheet on *'Probability Counting - Ways to O 3 Letters, 1 Repeat - to Equation (Level 1)'*. Part of broader unit on *'Probability and Statistics - Probabil with Factorials Intro'*

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

1

Y N Y

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

a	$\dfrac{3 \cdot 2}{2 \cdot 3 \cdot 2}$	**b**	$\dfrac{3 \cdot 2}{3 \cdot 2 \cdot 1}$
c	$\dfrac{3 \cdot 2}{3 \cdot 2}$	**d**	$\dfrac{3 \cdot 2}{2}$

2

S S C

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

a	$\dfrac{4 \cdot 3 \cdot 2}{2}$	**b**	$\dfrac{3 \cdot 2}{2}$
c	$\dfrac{3 \cdot 2}{2 \cdot 3 \cdot 2}$	**d**	$\dfrac{3 \cdot 2}{3 \cdot 2 \cdot 1}$
e	$\dfrac{3 \cdot 2}{3 \cdot 2}$		

3

X L X

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

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

4
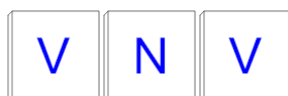
V N V

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

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

5

I I U

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

a	$\dfrac{3 \cdot 2}{3 \cdot 2}$	**b**	$\dfrac{3 \cdot 2}{2}$
c	$\dfrac{4 \cdot 3 \cdot 2}{2 \cdot 2}$	**d**	$\dfrac{3 \cdot 2}{4 \cdot 3 \cdot 2}$
e	$\dfrac{3 \cdot 2}{3 \cdot 2 \cdot 1}$		

6

J K J

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

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

7

Y U Y

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

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