



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'

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app.mobius.academy/math/units/probability_and_statistics/probability_with_factorials

1



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

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

2



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

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

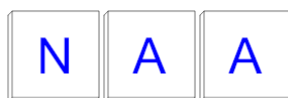
3



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

a	$\frac{3 \cdot 2}{2}$	b	$\frac{3 \cdot 2}{2 \cdot 3 \cdot 2}$
c	$\frac{3 \cdot 2}{4 \cdot 3 \cdot 2}$	d	$\frac{3 \cdot 2}{3 \cdot 2 \cdot 1}$

4



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

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

5



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

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

6



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

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

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

a	$\frac{3 \cdot 2}{2}$	b	$\frac{3 \cdot 2}{3 \cdot 2}$
c	$\frac{3 \cdot 2}{3 \cdot 2 \cdot 1}$		