



Math worksheet on 'Probability Counting - Ways to Order 3 Letters, 0 Repeats - to Equation (Level 1)'.
Part of a broader unit on 'Probability and Statistics - Counting and Probability Foundations'

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1



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

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

2



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

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

3



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

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

4



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

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

5



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

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

6



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

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

7



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

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