

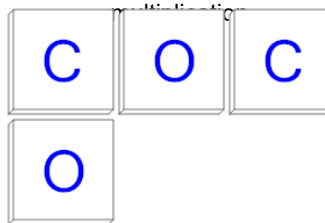


Math worksheet on 'Probability Counting - Duplicate 4 Letters, 2 Repeats - to Equation (Level 1)'. Part of a unit on 'Probability and Statistics - Binomial Notation'.

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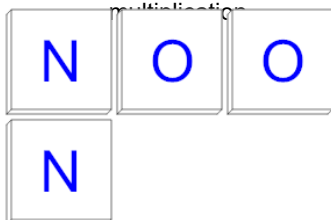
[app.mobius.academy/math/units/probability\\_and\\_statistics/probability\\_with\\_binomial](http://app.mobius.academy/math/units/probability_and_statistics/probability_with_binomial)

**1** How many ways can these letter tiles be ordered to spell 'COCO'? Show as a multiplication equation.



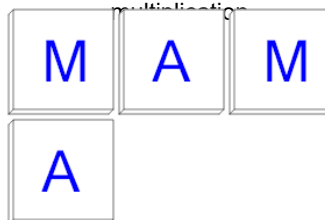
<b>a</b> $4 \cdot 3 \cdot 2 \cdot 2$	<b>b</b> $2 \cdot 3 \cdot 2$
<b>c</b> $2 \cdot 2$	<b>d</b> $2 \cdot 4 \cdot 3 \cdot 2$
<b>e</b> $\frac{2}{2 \cdot 2}$	<b>f</b> $\frac{1}{2 \cdot 2}$

**2** How many ways can these letter tiles be ordered to spell 'NOON'? Show as a multiplication equation.



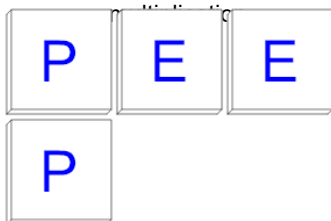
<b>a</b> $4 \cdot 3 \cdot 2 \cdot 2$	<b>b</b> $\frac{1}{2 \cdot 2}$
<b>c</b> $\frac{2}{2 \cdot 2}$	<b>d</b> $2 \cdot 2$
<b>e</b> $2 \cdot 3 \cdot 2$	<b>f</b> $2 \cdot 4 \cdot 3 \cdot 2$

**3** How many ways can these letter tiles be ordered to spell 'MAMA'? Show as a multiplication equation.



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

**4** How many ways can these letter tiles be ordered to spell 'PEEP'? Show as a multiplication equation.



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