

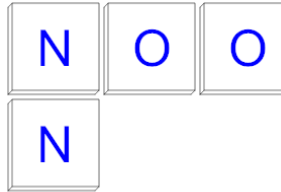


Math worksheet on 'Probability Counting - Duplicate 4 Letters, 2 Repeats - to Factorial Equation (Level 1)' broader unit on 'Probability and Statistics - Binomial Intro'

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_binomial

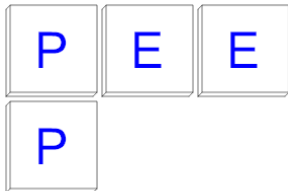
1



How many ways can these letter tiles be ordered to spell 'NOON'? Show as a factorial.

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

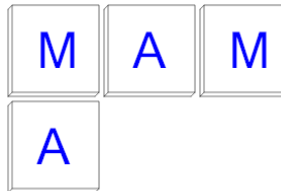
2



How many ways can these letter tiles be ordered to spell 'PEEP'? Show as a factorial.

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

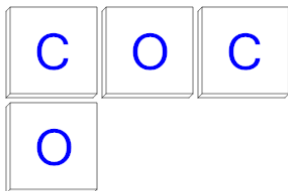
3



How many ways can these letter tiles be ordered to spell 'MAMA'? Show as a factorial.

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

4



How many ways can these letter tiles be ordered to spell 'COCO'? Show as a factorial.

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