

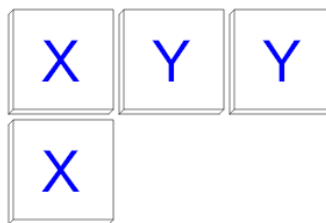


Math worksheet on 'Probability Counting - Ways to Letters, 2 Repeats - to Equation (Level 1)'. Part of a unit on 'Probability and Statistics - Binomial Notation'.

Learn online:

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

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



a
$$\begin{array}{r} 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

b
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 4 \cdot 3 \cdot 2 \cdot 1 \end{array}$$

c
$$\begin{array}{r} 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \cdot 2 \end{array}$$

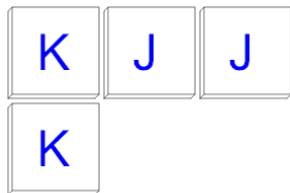
d
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 4 \cdot 3 \cdot 2 \end{array}$$

e
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \cdot 2 \end{array}$$

f
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

2

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



a
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 4 \cdot 3 \cdot 2 \cdot 1 \end{array}$$

b
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

c
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 4 \cdot 3 \cdot 2 \end{array}$$

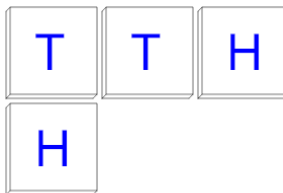
d
$$\begin{array}{r} 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

e
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 3 \cdot 2 \cdot 2 \end{array}$$

f
$$\begin{array}{r} 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

3

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



a
$$\begin{array}{r} 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

b
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

c
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 4 \cdot 3 \cdot 2 \cdot 2 \end{array}$$

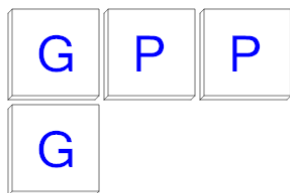
d
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 4 \cdot 3 \cdot 2 \cdot 1 \end{array}$$

e
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 3 \cdot 2 \cdot 2 \end{array}$$

f
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 4 \cdot 3 \cdot 2 \end{array}$$

4

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



a
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 4 \cdot 3 \cdot 2 \cdot 1 \end{array}$$

b
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 4 \cdot 3 \cdot 2 \cdot 2 \end{array}$$

c
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 3 \cdot 2 \cdot 2 \end{array}$$

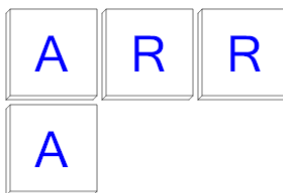
d
$$\begin{array}{r} 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

e
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

f
$$\begin{array}{r} 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \cdot 2 \end{array}$$

5

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



a
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 3 \cdot 2 \end{array}$$

b
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 4 \cdot 3 \cdot 2 \cdot 2 \end{array}$$

c
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 4 \cdot 3 \cdot 2 \cdot 1 \end{array}$$

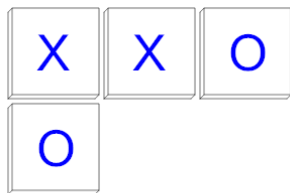
d
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 3 \cdot 2 \cdot 2 \end{array}$$

e
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

f
$$\begin{array}{r} 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

6

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



a
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 3 \cdot 2 \cdot 2 \end{array}$$

b
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

c
$$\begin{array}{r} 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \cdot 2 \end{array}$$

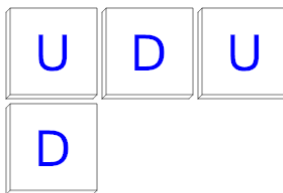
d
$$\begin{array}{r} 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

e
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 4 \cdot 3 \cdot 2 \cdot 1 \end{array}$$

f
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 3 \cdot 2 \end{array}$$

7

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



a
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 3 \cdot 2 \cdot 2 \end{array}$$

b
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 4 \cdot 3 \cdot 2 \cdot 1 \end{array}$$

c
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 3 \cdot 2 \end{array}$$

d
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 2 \end{array}$$

e
$$\begin{array}{r} 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 4 \cdot 3 \cdot 2 \end{array}$$