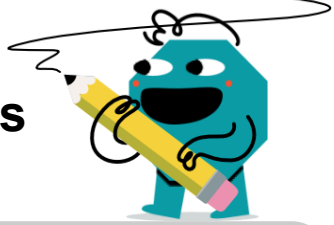
Name

Probability Counting - Choose N Letters from M, Count of Total Outcomes - To nCm Notation



1

A	O	L
E	E	

How many total ways can 3 letter tiles be drawn from this set? Show in nCm notation.

A	${}_5B_3$	B	${}_5R_3$
C	${}_3C_5$	D	${}_3C_3$
E	${}_5C_3$	F	${}_5P_3$

2

U	O	Q
X	A	

How many total ways can 2 letter tiles be drawn from this set? Show in nCm notation.

A	${}_5C_2$	B	${}_5R_2$
C	${}_5P_2$	D	${}_5C_4$
E	${}_4C_3$	F	${}_2C_5$

3

O	A	A
R	D	M
O		

How many total ways can 2 letter tiles be drawn from this set? Show in nCm notation.

A	${}_7B_2$	B	${}_5C_4$
C	${}_9C_2$	D	${}_7P_2$
E	${}_5C_3$	F	${}_7C_2$

4

A	E	O
X	E	

How many total ways can 2 letter tiles be drawn from this set? Show in nCm notation.

A	${}_5C_2$	B	${}_5R_2$
C	${}_5B_2$	D	${}_5P_2$
E	${}_7C_4$	F	${}_4C_2$

5

U	K	E
E	D	I

How many total ways can 2 letter tiles be drawn from this set? Show in nCm notation.

A	${}_2C_6$	B	${}_6C_2$
C	${}_8C_2$	D	${}_6B_2$
E	${}_6P_2$	F	${}_6R_2$

6

T	U	U
X	A	A

How many total ways can 3 letter tiles be drawn from this set? Show in nCm notation.

A	${}_6C_3$	B	${}_3C_6$
C	${}_6R_3$	D	${}_4C_2$
E	${}_4C_3$	F	${}_6P_3$

7

U	C	F
E	U	B
A		

How many total ways can 3 letter tiles be drawn from this set? Show in nCm notation.

A	${}_7C_3$	B	${}_7B_3$
C	${}_7P_3$	D	${}_7C_4$
E	${}_3C_7$	F	${}_7R_3$

8

Z	Q	L
U	G	U
U		

How many total ways can 2 letter tiles be drawn from this set? Show in nCm notation.

A	${}_7C_2$	B	${}_9C_4$
C	${}_2C_7$	D	${}_7C_3$
E	${}_7P_2$	F	${}_7R_2$