



## Probability nCm Notation - Description to Bracket Notation

**1**

Choose a set of 3 items from a group of 4 total items. Ignore the order.

A	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$	B	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$
C	$\begin{pmatrix} 3 \\ 4 \end{pmatrix}$	D	$\begin{pmatrix} 4 \\ 3 \end{pmatrix}$

**2**

With a group of 6 options how many ways are there to choose a set of 5 options regardless of order?

A	$\begin{pmatrix} 6 \\ 5 \end{pmatrix}$	B	$\begin{pmatrix} 5 \\ 5 \end{pmatrix}$
C	$\begin{pmatrix} 5 \\ 6 \end{pmatrix}$		

**3**

With a group of 4 options how many ways are there to choose a set of 2 options regardless of order?

A	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$	B	$\begin{pmatrix} 6 \\ 2 \end{pmatrix}$
C	$\begin{pmatrix} 6 \\ 3 \end{pmatrix}$	D	$\begin{pmatrix} 2 \\ 4 \end{pmatrix}$
E	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$		

**4**

With a group of 3 options how many ways are there to choose a set of 2 options regardless of order?

A	$\begin{pmatrix} 2 \\ 3 \end{pmatrix}$	B	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$
C	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$	D	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$

**5**

With a group of 6 options how many ways are there to choose a set of 3 options regardless of order?

A	$\begin{pmatrix} 7 \\ 2 \end{pmatrix}$	B	$\begin{pmatrix} 8 \\ 2 \end{pmatrix}$
C	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$	D	$\begin{pmatrix} 6 \\ 3 \end{pmatrix}$

**6**

From a group of 3 items select a set of 3 items regardless of order.

A	$\begin{pmatrix} 5 \\ 4 \end{pmatrix}$	B	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$
C	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$	D	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$

**7**

From a group of 4 items select a set of 4 items regardless of order.

A	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$	B	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$
C	$\begin{pmatrix} 6 \\ 5 \end{pmatrix}$	D	$\begin{pmatrix} 5 \\ 5 \end{pmatrix}$
E	$\begin{pmatrix} 4 \\ 4 \end{pmatrix}$		

**8**

From a group of 5 items select a set of 3 items regardless of order.

A	$\begin{pmatrix} 5 \\ 3 \end{pmatrix}$	B	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$
C	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$	D	$\begin{pmatrix} 3 \\ 5 \end{pmatrix}$