



Math worksheet on 'Probability nCr Notation - Desc
Bracket Notation (Level 1)'. Part of a broader unit
'Probability and Statistics - Binomial Notation In

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1

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	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$	d	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$

2

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	$\begin{pmatrix} 6 \\ 3 \end{pmatrix}$
c	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$	d	$\begin{pmatrix} 8 \\ 2 \end{pmatrix}$

3

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

a	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$	b	$\begin{pmatrix} 6 \\ 5 \end{pmatrix}$
c	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$	d	$\begin{pmatrix} 4 \\ 4 \end{pmatrix}$
e	$\begin{pmatrix} 5 \\ 5 \end{pmatrix}$		

4

From a group of 6 items
select a set of 4 items
regardless of order.

a	$\begin{pmatrix} 6 \\ 4 \end{pmatrix}$	b	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$
c	$\begin{pmatrix} 4 \\ 4 \end{pmatrix}$	d	$\begin{pmatrix} 4 \\ 6 \end{pmatrix}$

5

Choose a set of 6 items
from a group of 6 total
items. Ignore the order.

a	$\begin{pmatrix} 8 \\ 7 \end{pmatrix}$	b	$\begin{pmatrix} 8 \\ 4 \end{pmatrix}$
c	$\begin{pmatrix} 6 \\ 6 \end{pmatrix}$		

6

From a group of 5 items
select a set of 4 items
regardless of order.

a	$\begin{pmatrix} 5 \\ 4 \end{pmatrix}$	b	$\begin{pmatrix} 4 \\ 4 \end{pmatrix}$
c	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$	d	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$

7

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

a	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$	b	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$
c	$\begin{pmatrix} 3 \\ 5 \end{pmatrix}$	d	$\begin{pmatrix} 5 \\ 3 \end{pmatrix}$