



Math worksheet on 'Probability nCr Notation - De Moivre's Binomial Theorem (Level 1)'. Part of a broader unit on Statistics - Permutations and Combinations Calculus

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1

From a group of 6 items select a set of 2 items regardless of order.

a	$\binom{2}{6}$	b	$\binom{4}{2}$
c	$\binom{4}{3}$	d	$\binom{6}{2}$
e	$\binom{7}{3}$	f	$\binom{8}{3}$

2

From a group of 4 items select a set of 2 items regardless of order.

a	$\binom{2}{4}$	b	$\binom{4}{4}$
c	$\binom{3}{3}$	d	$\binom{3}{2}$
e	$\binom{4}{2}$	f	$\binom{5}{4}$

3

Choose a set of 4 items from a group of 6 total items. Ignore the order.

a	$\binom{8}{3}$	b	$\binom{8}{2}$
c	$\binom{7}{5}$	d	$\binom{4}{6}$
e	$\binom{7}{3}$	f	$\binom{6}{4}$

4

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

a	$\binom{6}{4}$	b	$\binom{5}{4}$
c	$\binom{3}{5}$	d	$\binom{4}{2}$
e	$\binom{5}{3}$	f	$\binom{3}{3}$

5

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

a	$\binom{8}{5}$	b	$\binom{3}{6}$
c	$\binom{8}{2}$	d	$\binom{6}{2}$
e	$\binom{6}{3}$	f	$\binom{5}{2}$

6

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

a	$\binom{5}{5}$	b	$\binom{3}{3}$
c	$\binom{3}{2}$	d	$\binom{3}{4}$
e	$\binom{6}{4}$	f	$\binom{4}{3}$

7

Choose a set of 5 items from a group of 5 total items. Ignore the order.

a	$\binom{3}{3}$	b	$\binom{7}{7}$
c	$\binom{6}{5}$	d	$\binom{5}{5}$
e	$\binom{5}{3}$	f	$\binom{7}{3}$