



Probability nPm Notation - Description to Formula

1 Select the correct formula for this description

Choose 5 options in a specific order from a group of 6 options

A	$\frac{6!}{1!}$	B	$\frac{6!}{5! \cdot 1!}$
C	$\frac{5!}{1!}$		

2 Select the correct formula for this description

With a group of 6 items, if you choose 2 in a specific order, how many permutations are possible?

A	$\frac{6!}{2! \cdot 4!}$	B	$\frac{6!}{4!}$
C	$\frac{6!}{4! \cdot 3!}$		

3 Select the correct formula for this description

Choose 2 options in a specific order from a group of 5 options

A	$\frac{4!}{2!}$	B	$\frac{5!}{3!}$
C	$\frac{5!}{3! \cdot 1! \cdot 3!}$		

4 Select the correct formula for this description

From a group of 6 options how many ways are there to choose 3 options in a specific order?

A	$\frac{6!}{3! \cdot 3!}$	B	$\frac{6!}{3!}$
C	$\frac{3!}{3!}$		

5 Select the correct formula for this description

From a group of 3 options how many ways are there to choose 2 options in a specific order?

A	$\frac{3!}{1!}$	B	$\frac{3!}{2! \cdot 1!}$

6 Select the correct formula for this description

With a group of 4 items, if you choose 3 in a specific order, how many permutations are possible?

A	$\frac{4!}{3!}$	B	$\frac{4!}{3! \cdot 1!}$
C	$\frac{4!}{1!}$		

7 Select the correct formula for this description

From a group of 6 options how many ways are there to choose 4 options in a specific order?

A	$\frac{6!}{4! \cdot 2!}$	B	$\frac{6!}{2!}$
C	$\frac{4!}{2!}$		

8 Select the correct formula for this description

With a group of 5 items, if you choose 4 in a specific order, how many permutations are possible?

A	$\frac{5!}{1!}$	B	$\frac{5!}{4! \cdot 1!}$