Name

Probability nCm Notation - Formula to Description

1 Select the correct description for this formula

$$\frac{6!}{3! \cdot 3!}$$

A With a group of 6 items, if you choose 3 in a specific order, how many permutations are possible?

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

C From a group of 6 items select a set of 3 items regardless of order.

2 Select the correct description for this formula

$$\frac{6!}{5! \cdot 1!}$$

A With a group of 6 items, if you choose 5 in a specific order, how many permutations are possible?

B From a group of 6 items select a set of 5 items regardless of order.

C From a group of 5 items select a set of 6 items regardless of order.

3 Select the correct description for this formula

$$\frac{4!}{2! \cdot 2!}$$

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

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

C Choose a set of 4 items from a group of 2 total items. Ignore the order.

4 Select the correct description for this formula

$$\frac{4!}{4! \cdot 0!}$$

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

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

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

5 Select the correct description for this formula

$$\frac{5!}{3! \cdot 2!}$$

A Choose a set of 3 items from a group of 5 total items. Ignore the order.

B With a group of 3 options how many ways are there to choose a set of 5 options regardless of order?

C Choose 3 options in a specific order from a group of 5 options

6 Select the correct description for this formula

$$\frac{6!}{4! \cdot 2!}$$

A Choose 4 options in a specific order from a group of 6 options

B With a group of 6 options how many ways are there to choose a set of 4 options regardless of order?

C With a group of 8 options how many ways are there to choose a set of 3 options regardless of order?

7 Select the correct description for this formula

$$\frac{6!}{6! \cdot 0!}$$

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

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

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

8 Select the correct description for this formula

$$\frac{4!}{3! \cdot 1!}$$

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

B With a group of 4 options how many ways are there to choose a set of 3 options regardless of order?

C Choose 3 options in a specific order from a group of 4 options