Name

Probability nPm Notation - Formula to Description

1 Select the correct description for this formula

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

A. With a group of 5 items, if you choose 2 in a specific order, how many permutations are possible?

B. From a group of 7 items select a set of 4 items regardless of order.

C. Choose a set of 2 items from a group of 5 total items. Ignore the order.

2 Select the correct description for this formula

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

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

B. With a group of 3 items, if you choose 2 in a specific order, how many permutations are possible?

C. From a group of 3 items select a set of 2 items regardless of order.

3 Select the correct description for this formula

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

A. With a group of 5 items, if you choose 3 in a specific order, how many permutations are possible?

B. Choose 4 options in a specific order from a group of 6 options

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

4 Select the correct description for this formula

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

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

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

C. From a group of 6 options how many ways are there to choose 5 options in a specific order?

5 Select the correct description for this formula

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

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

B. From a group of 5 options how many ways are there to choose 4 options in a specific order?

C. Choose a set of 4 items from a group of 5 total items. Ignore the order.

6 Select the correct description for this formula

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

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

B. Choose 2 options in a specific order from a group of 4 options

C. Choose 4 options in a specific order from a group of 2 options

7 Select the correct description for this formula

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

A. From a group of 4 items select a set of 3 items regardless of order.

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

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

8 Select the correct description for this formula

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

A. Choose 2 options in a specific order from a group of 6 options

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

C. With a group of 6 options how many ways are there to choose a set of 2 options regardless of order?