



Math worksheet on 'Probability nPm Notation - Letter Description (Level 1)'. Part of a broader unit on 'Probability - Binomial Notation Practice'

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2 Select the correct description for this notation

$${}_5P_4$$

- a With a group of 4 items, if you choose 5 in a specific order, how many permutations are there
- b Choose a set of 4 items from a group of 5 total items.
- c With a group of 5 options how many ways are there to choose a set of 4 options
- d With a group of 5 items, if you choose 4 in a specific order, how many permutations are there
- e Choose 5 options in a specific order from a group of 4
- f With a group of 6 items, if you choose 2 in a specific order, how many permutations are there

4 Select the correct description for this notation

$${}_5P_5$$

- a From a group of 5 items select a set of 5 items
- b Choose a set of 5 items from a group of 5 total items.
- c From a group of 5 options how many ways are there to choose 5 options in a specific order
- d Choose 5 options in a specific order from a group of 5
- e With a group of 5 items, if you choose 5 in a specific order, how many permutations are there
- f With a group of 5 options how many ways are there to choose a set of 5 options

6 Select the correct description for this notation

$${}_6P_2$$

- a From a group of 6 options how many ways are there to choose a set of 2 options
- b From a group of 6 items select a set of 2 items
- c With a group of 6 options how many ways are there to choose a set of 6 options
- d From a group of 5 options how many ways are there to choose a set of 2 options
- e Choose 4 options in a specific order from a group of 8
- f Choose 2 options in a specific order from a group of 6

1 Select the correct description for this notation

$${}_6P_5$$

- a With a group of 6 options how many ways are there to choose a set of 5 options
- b From a group of 6 items select a set of 5 items
- c With a group of 6 items, if you choose 5 in a specific order, how many permutations are there
- d With a group of 5 items, if you choose 6 in a specific order, how many permutations are there
- e Choose a set of 5 items from a group of 6 total items.
- f Choose 6 options in a specific order from a group of 5

3 Select the correct description for this notation

$${}_6P_3$$

- a Choose 3 options in a specific order from a group of 6
- b From a group of 6 items select a set of 3 items
- c Choose a set of 3 items from a group of 6 total items.
- d From a group of 4 options how many ways are there to choose a set of 3 options
- e With a group of 6 options how many ways are there to choose a set of 6 options
- f Choose 3 options in a specific order from a group of 7

5 Select the correct description for this notation

$${}_6P_6$$

- a From a group of 6 options how many ways are there to choose a set of 6 options
- b Choose 7 options in a specific order from a group of 7
- c From a group of 6 items select a set of 6 items
- d Choose 6 options in a specific order from a group of 6
- e With a group of 6 items, if you choose 6 in a specific order, how many permutations are there
- f With a group of 6 options how many ways are there to choose a set of 6 options

7 Select the correct description for this notation

$${}_4P_2$$

- a With a group of 4 items, if you choose 2 in a specific order, how many permutations are there
- b From a group of 4 items select a set of 2 items
- c With a group of 4 options how many ways are there to choose a set of 2 options
- d From a group of 2 options how many ways are there to choose a set of 2 options
- e With a group of 2 items, if you choose 4 in a specific order, how many permutations are there
- f Choose a set of 2 items from a group of 4 total items.