mobiu

Math worksheet on *'Probability nCm Notation - Form Description (Level 1)'*. Part of a broader unit on *'Prob and Statistics - Probability with Factorials Practic*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

1 Select the correct description for this formula

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

a	With a group of 3 options how many ways are there to
b	From a group of 4 options how many ways are there to
c	Choose 4 options in a specific order from a group of 4
d	With a group of 4 options how many ways are there to choose a set of 4 options
e	From a group of 4 items select a set of 4 items
f	With a group of 4 items, if you choose 4 in a specific order, how many permutations are

2 Select the correct description for this formula

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

a	Choose a set of 2 items from a group of 5 total items. Ignore the order
b	With a group of 7 options how many ways are there to
c	With a group of 2 options how many ways are there to choose a set of 5 options
d	From a group of 5 options how many ways are there to choose 2 options in a specific
e	With a group of 5 items, if you choose 2 in a specific order,
f	Choose 2 options in a specific order from a group of 5 options

3 Select the correct description for this formula

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

a	With a group of 4 options how many ways are there to choose a set of 2 options
b	With a group of 3 options how many ways are there to
c	Choose 2 options in a specific order from a group of 4 options
d	With a group of 2 options how many ways are there to
e	With a group of 4 items, if you choose 2 in a specific order,
f	From a group of 4 options how many ways are there to choose 2 options in a specific

4 Select the correct description for this formula

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

a	Choose 5 options in a specific order from a group of 6
b	With a group of 8 options how many ways are there to
c	With a group of 5 options how many ways are there to choose a set of 6 options
d	From a group of 6 options how many ways are there to choose 5 options in a specific
e	Choose a set of 5 items from a group of 6 total items.
f	With a group of 6 items, if you choose 5 in a specific order, how many permutations are

5 Select the correct description for this formula

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

a	With a group of 3 options how many ways are there to
b	From a group of 4 options how many ways are there to choose 3 options in a specific
c	Choose 3 options in a specific order from a group of 4 options
d	Choose a set of 4 items from a group of 3 total items.
e	From a group of 4 items select a set of 3 items
f	Choose a set of 2 items from a group of 5 total items. Ignore the order

6 Select the correct description for this formula

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

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

7 Select the correct description for this formula

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

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