mobi

Math worksheet on *'Probability nPm Notation - Desc Formula (Level 1)'*. Part of a broader unit on *'Probab Statistics - Binomial Notation Intro'*
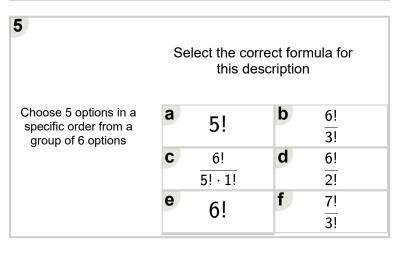
Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_binomial

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1

Select the correct formula for this description

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

a	$\dfrac{4!}{3!}$	b	$\dfrac{4!}{4! \cdot 0!}$
c	$\dfrac{4!}{2!}$	d	$4!$

2

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	$5!$	b	$\dfrac{4!}{2!}$
c	$4!$	d	$\dfrac{5!}{4! \cdot 1!}$
e	$6!$	f	$\dfrac{5!}{3!}$

3

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	$\dfrac{4!}{2!}$	b	$\dfrac{6!}{2! \cdot 3!}$
c	$\dfrac{6!}{4! \cdot 2!}$	d	$\dfrac{6!}{2!}$
e	$\dfrac{5!}{3!}$	f	$7!$

4

Select the correct formula for this description

From a group of 5 options how many ways are there to choose 2 options in a specific order?

a	$\dfrac{5!}{2! \cdot 3!}$	b	$\dfrac{5!}{3!}$
c	$\dfrac{5!}{3! \cdot 1! \cdot 2!}$	d	$\dfrac{5!}{3! \cdot 3!}$
e	$3!$	f	$\dfrac{5!}{3! \cdot 1! \cdot 3!}$

5

Select the correct formula for this description

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

a	$5!$	b	$\dfrac{6!}{3!}$
c	$\dfrac{6!}{5! \cdot 1!}$	d	$\dfrac{6!}{2!}$
e	$6!$	f	$\dfrac{7!}{3!}$

6

Select the correct formula for this description

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

a	$\dfrac{6!}{6! \cdot 0!}$	b	$\dfrac{6!}{3!}$
c	$8!$	d	$\dfrac{8!}{3!}$
e	$6!$	f	$\dfrac{6!}{2!}$

7

Select the correct formula for this description

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

a	$\dfrac{5!}{3!}$	b	$\dfrac{6!}{4! \cdot 1! \cdot 2!}$
c	$\dfrac{6!}{4! \cdot 2!}$	d	$\dfrac{6!}{2! \cdot 4!}$
e	$\dfrac{8!}{6!}$	f	$\dfrac{6!}{4!}$