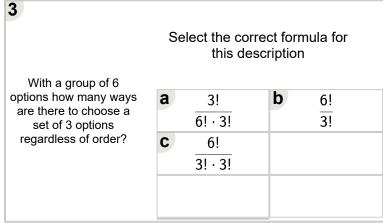# mobiu

Math worksheet on *'Probability nCm Notation - Description to Formula (Level 1)'*. Part of a broader u on *'Probability and Statistics - Probability with Factor Intro'*
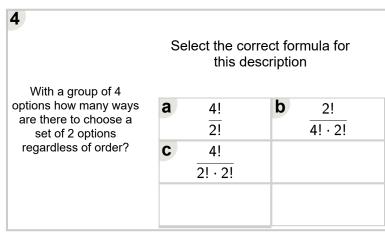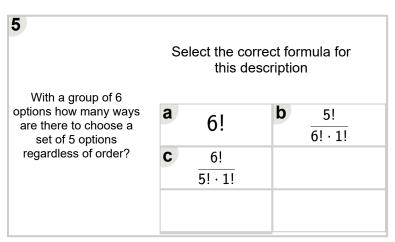
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1

Select the correct formula for this description

From a group of 5 items select a set of 3 items regardless of order.

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

2

Select the correct formula for this description

Choose a set of 4 items from a group of 6 total items. Ignore the order.

a $\dfrac{5!}{2! \cdot 3!}$	**b** $\dfrac{6!}{4! \cdot 2!}$
c $\dfrac{6!}{2!}$	**d** $\dfrac{4!}{6! \cdot 2!}$

3

Select the correct formula for this description

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

a $\dfrac{3!}{6! \cdot 3!}$	**b** $\dfrac{6!}{3!}$
c $\dfrac{6!}{3! \cdot 3!}$	

4

Select the correct formula for this description

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

a $\dfrac{4!}{2!}$	**b** $\dfrac{2!}{4! \cdot 2!}$
c $\dfrac{4!}{2! \cdot 2!}$	

5

Select the correct formula for this description

With a group of 6 options how many ways are there to choose a set of 5 options regardless of order?

a $6!$	**b** $\dfrac{5!}{6! \cdot 1!}$
c $\dfrac{6!}{5! \cdot 1!}$	

6

Select the correct formula for this description

With a group of 5 options how many ways are there to choose a set of 4 options regardless of order?

a $\dfrac{4!}{5! \cdot 1!}$	**b** $\dfrac{6!}{6! \cdot 0!}$
c $5!$	**d** $\dfrac{5!}{4! \cdot 1!}$

7

Select the correct formula for this description

With a group of 5 options how many ways are there to choose a set of 2 options regardless of order?

a $\dfrac{2!}{5! \cdot 3!}$	**b** $\dfrac{5!}{2! \cdot 3!}$
c $\dfrac{4!}{3! \cdot 1!}$	**d** $\dfrac{5!}{3!}$