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

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

Select the correct formula for this description

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

2

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

Select the correct formula for this description

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

3

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

Select the correct formula for this description

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

4

Choose a set of 2 items from a group of 6 total items. Ignore the order.

Select the correct formula for this description

a $\frac{8!}{2! \cdot 6!}$	**b** $\frac{6!}{2! \cdot 4!}$
c $\frac{6!}{4!}$	

5

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

Select the correct formula for this description

a $5!$	**b** $\frac{6!}{5! \cdot 1!}$
c $\frac{3!}{3! \cdot 0!}$	**d** $\frac{5!}{5! \cdot 0!}$

6

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

Select the correct formula for this description

a $\frac{3!}{3! \cdot 0!}$	**b** $3!$

7

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

Select the correct formula for this description

a $3!$	**b** $\frac{3!}{2! \cdot 1!}$
c $\frac{2!}{3! \cdot 1!}$	