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

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1 Select the correct description for this formula

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

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

2 Select the correct description for this formula

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

- **a** Choose a set of 3 items from a group of 5 total items.
- **b** Choose 3 options in a specific order from a group of 5
- **c** With a group of 5 options how many ways are there to
- **d** Choose 5 options in a specific order from a group of 3
- **e** From a group of 3 options how many ways are there to
- **f** With a group of 3 items, if you choose 5 in a specific order,

3 Select the correct description for this formula

$$4!$$

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

4 Select the correct description for this formula

$$3!$$

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

5 Select the correct description for this formula

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

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

6 Select the correct description for this formula

$$5!$$

- **a** With a group of 3 items, if you choose 3 in a specific order,
- **b** With a group of 5 options how many ways are there to
- **c** From a group of 5 options how many ways are there to
- **d** With a group of 4 items, if you choose 4 in a specific order,
- **e** Choose a set of 5 items from a group of 5 total items.
- **f** Choose 4 options in a specific order from a group of 4

7 Select the correct description for this formula

$$6!$$

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