



Math worksheet on 'Probability nPm Notation - Letter Formula (Level 1)'. Part of a broader unit on 'Probability - Binomial Notation Practice'

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**1** Select the correct formula for this notation

${}_6P_5$

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

**2** Select the correct formula for this notation

${}_6P_3$

a	b	c
$\frac{6!}{3! \cdot 3!}$	$\frac{6!}{3! \cdot 1! \cdot 3!}$	$\frac{3!}{3!}$
d	e	
$\frac{8!}{4!}$	$\frac{6!}{3!}$	

**3** Select the correct formula for this notation

${}_6P_6$

a	b	c
$\frac{6!}{6! \cdot 0!}$	$\frac{6!}{1! \cdot 3!}$	$6!$
d	e	
$\frac{6!}{2!}$	$\frac{6!}{3!}$	

**4** Select the correct formula for this notation

${}_5P_3$

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

**5** Select the correct formula for this notation

${}_5P_4$

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

**6** Select the correct formula for this notation

${}_4P_2$

a	b	c
$\frac{2!}{2!}$	$\frac{4!}{2! \cdot 2!}$	$\frac{4!}{2!}$
d	e	f
$\frac{4!}{2! \cdot 2!}$	$\frac{4!}{2! \cdot 1! \cdot 3!}$	$3!$

**7** Select the correct formula for this notation

${}_4P_3$

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