Name

Probability nPm Notation - Letter Notation to Formula

1 Select the correct formula for this notation

$${}_6P_4$$

A $\frac{6!}{2! \cdot 3!}$ B $5!$ C $\frac{4!}{2!}$

D $4!$ E $\frac{6!}{2!}$ F $\frac{6!}{4! \cdot 2!}$

2 Select the correct formula for this notation

$${}_5P_2$$

A $\frac{6!}{4!}$ B $\frac{5!}{3!}$ C $\frac{5!}{3! \cdot 1! \cdot 2!}$

D $\frac{5!}{3! \cdot 2!}$ E $\frac{5!}{2! \cdot 3!}$ F $\frac{2!}{3!}$

3 Select the correct formula for this notation

$${}_6P_6$$

A $\frac{6!}{6! \cdot 0!}$ B $6!$ C $\frac{6!}{1! \cdot 3!}$

D $\frac{6!}{2!}$ E $\frac{6!}{3!}$

4 Select the correct formula for this notation

$${}_3P_3$$

A $\frac{3!}{3!}$ B $3!$ C $5!$

D $\frac{3!}{1! \cdot 2!}$ E $\frac{3!}{2!}$ F $\frac{3!}{3! \cdot 0!}$

5 Select the correct formula for this notation

$${}_5P_4$$

A $5!$ B $\frac{5!}{3!}$ C $4!$

D $\frac{5!}{4! \cdot 1!}$ E $\frac{5!}{1! \cdot 3!}$ F $\frac{4!}{2!}$

6 Select the correct formula for this notation

$${}_6P_3$$

A $\frac{6!}{3! \cdot 1! \cdot 3!}$ B $\frac{6!}{3! \cdot 3!}$ C $\frac{6!}{3!}$

D $\frac{3!}{3!}$ E $\frac{8!}{4!}$

7 Select the correct formula for this notation

$${}_4P_3$$

A $\frac{4!}{1! \cdot 2!}$ B $\frac{4!}{3! \cdot 1!}$ C $\frac{6!}{3!}$

D $4!$ E $3!$ F $\frac{4!}{1! \cdot 3!}$

8 Select the correct formula for this notation

$${}_5P_5$$

A $\frac{5!}{3!}$ B $\frac{6!}{3!}$ C $5!$

D $\frac{5!}{5! \cdot 0!}$ E $6!$ F $\frac{6!}{2!}$