Name

Probability Calculation - nPm Notation - Single Over Simple Multiplication

1 What is the value of this probability expression?

$$\frac{{}_4P_2}{({}_4P_4)\cdot({}_4P_2)}$$

A $\frac{1}{288}$ B $\frac{1}{24}$ C $\frac{1}{240}$ D 12 E 1

2 What is the value of this probability expression?

$$\frac{{}_5P_5}{({}_4P_4)\cdot({}_5P_2)}$$

A 1 B $\frac{1}{4}$ C $\frac{1}{2}$ D 240 E $\frac{1}{480}$

3 What is the value of this probability expression?

$$\frac{{}_5P_4}{({}_3P_3)\cdot({}_5P_2)}$$

A 1 B $\frac{1}{24}$ C 120 D $\frac{1}{120}$ E $\frac{1}{360}$

4 What is the value of this probability expression?

$$\frac{{}_5P_5}{({}_2P_2)\cdot({}_5P_2)}$$

A 3 B 10 C 1 D $\frac{1}{40}$

5 What is the value of this probability expression?

$$\frac{{}_4P_3}{({}_4P_2)\cdot({}_2P_2)}$$

A $\frac{1}{24}$ B 24 C $\frac{1}{2}$ D 1

6 What is the value of this probability expression?

$$\frac{{}_5P_5}{({}_5P_3)\cdot({}_3P_2)}$$

A $\frac{2}{3}$ B 1 C $\frac{1}{36}$ D $\frac{1}{3}$

7 What is the value of this probability expression?

$$\frac{{}_5P_4}{({}_3P_3)\cdot({}_4P_2)}$$

A $\frac{1}{120}$ B 30 C $\frac{1}{2}$ D $\frac{5}{3}$ E $\frac{5}{6}$

8 What is the value of this probability expression?

$$\frac{{}_6P_3}{({}_3P_2)\cdot({}_4P_2)}$$

A $\frac{10}{3}$ B 5 C 20 D $\frac{5}{3}$ E 1