Math worksheet on *'Probability Calculation - nPm No Over Simple Multiplication (Level 1)'*. Part of a bro *'Probability and Statistics - Permutations and Co Calculating - Intro'*

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1 What is the value of this probability expression?

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

a $\frac{5}{3}$ b 30 c $\frac{5}{6}$ d $\frac{1}{120}$ e $\frac{1}{2}$

2 What is the value of this probability expression?

$$\frac{{}_6P_4}{({}_4P_2)\cdot({}_3P_3)}$$

a $\frac{1}{72}$ b 60 c 2 d 5 e $\frac{1}{144}$

3 What is the value of this probability expression?

$$\frac{{}_4P_4}{({}_4P_3)\cdot({}_4P_2)}$$

a $\frac{1}{3}$ b $\frac{1}{12}$ c 24 d 1

4 What is the value of this probability expression?

$$\frac{{}_5P_3}{({}_4P_2)\cdot({}_6P_2)}$$

a $\frac{5}{12}$ b $\frac{1}{6}$ c $\frac{1}{3}$ d 5

5 What is the value of this probability expression?

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

a $\frac{2}{3}$ b $\frac{1}{3}$ c $\frac{1}{36}$ d 1

6 What is the value of this probability expression?

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

a 240 b 1 c $\frac{1}{4}$ d $\frac{1}{2}$ e $\frac{1}{480}$

7 What is the value of this probability expression?

$$\frac{{}_4P_4}{({}_2P_2)\cdot({}_2P_2)}$$

a 6 b 24 c 120 d $\frac{1}{4}$ e 1