Math worksheet on *'Probability Calculation - nPm N 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?

$$\frac{1}{({}_6P_2)\cdot({}_2P_2)}$$

a $\frac{2}{3}$ b $\frac{1}{60}$ c 1 d $\frac{1}{360}$

2 What is the value of this probability expression?

$$\frac{1}{({}_3P_2)\cdot({}_4P_2)}$$

a $\frac{1}{180}$ b $\frac{1}{72}$ c 1 d $\frac{1}{12}$ e $\frac{1}{120}$

3 What is the value of this probability expression?

$$\frac{1}{({}_3P_2)\cdot({}_2P_2)}$$

a 6 b $\frac{1}{12}$ c $\frac{1}{2}$ d $\frac{1}{3}$ e $\frac{1}{4}$

4 What is the value of this probability expression?

$$\frac{1}{({}_5P_2)\cdot({}_5P_2)}$$

a $\frac{1}{20}$ b $\frac{1}{400}$ c $\frac{3}{10}$ d 1

5 What is the value of this probability expression?

$$\frac{1}{({}_4P_3)\cdot({}_5P_2)}$$

a 30 b $\frac{1}{80}$ c $\frac{1}{480}$ d $\frac{1}{24}$ e $\frac{1}{8}$

6 What is the value of this probability expression?

$$\frac{1}{({}_5P_4)\cdot({}_2P_2)}$$

a $\frac{1}{240}$ b $\frac{1}{120}$ c $\frac{1}{12}$ d $\frac{1}{2}$

7 What is the value of this probability expression?

$$\frac{1}{({}_4P_3)\cdot({}_3P_2)}$$

a $\frac{1}{360}$ b $\frac{1}{24}$ c $\frac{5}{6}$ d $\frac{1}{144}$ e 1