Math worksheet on *'Probability Calculation - nPm No Multiplication Over Single (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?

$$\frac{({}_3P_2)\cdot({}_5P_2)}{{}_6P_3}$$

a $\frac{1}{20}$ **b** $\frac{3}{2}$ **c** $\frac{1}{3}$ **d** $\frac{1}{2}$ **e** 1

2 What is the value of this probability expression?

$$\frac{({}_3P_2)\cdot({}_4P_2)}{{}_5P_4}$$

a 72 **b** $\frac{3}{5}$ **c** $\frac{1}{20}$ **d** $\frac{1}{60}$ **e** 18

3 What is the value of this probability expression?

$$\frac{({}_4P_2)\cdot({}_3P_3)}{{}_4P_4}$$

a $\frac{1}{5}$ **b** 3 **c** 72 **d** $\frac{1}{24}$

4 What is the value of this probability expression?

$$\frac{({}_5P_2)\cdot({}_4P_3)}{{}_3P_3}$$

a $\frac{4}{3}$ **b** 360 **c** 80 **d** 160 **e** 1

5 What is the value of this probability expression?

$$\frac{({}_6P_2)\cdot({}_2P_2)}{{}_4P_3}$$

a $\frac{5}{2}$ **b** 60 **c** 1 **d** $\frac{3}{5}$ **e** $\frac{5}{3}$

6 What is the value of this probability expression?

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

a 120 **b** $\frac{10}{3}$ **c** 20 **d** 24

7 What is the value of this probability expression?

$$\frac{({}_2P_2)\cdot({}_3P_3)}{{}_5P_5}$$

a 120 **b** $\frac{1}{60}$ **c** 360 **d** $\frac{1}{10}$ **e** 1