Math worksheet on *'Probability Calculation - nPm N Over Simple Multiplication (Level 1)'*. Part of a br *'Probability and Statistics - Permutations and Combin - Practice'*

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1 What is the value of this probability expression?

$$\frac{{}_4P_3}{({}_2P_2)\cdot({}_5P_4)}$$

a	b	c
$\frac{1}{10}$	$\frac{1}{40}$	12
d	e	
24	4	

2 What is the value of this probability expression?

$$\frac{{}_5P_2}{({}_4P_3)\cdot({}_4P_2)}$$

a	b	c
$\frac{5}{12}$	$\frac{1}{30}$	$\frac{5}{6}$
d	e	
$\frac{5}{72}$	$\frac{5}{18}$	

3 What is the value of this probability expression?

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

a	b	c
$\frac{1}{360}$	$\frac{1}{24}$	$\frac{1}{120}$
d	e	
1	120	

4 What is the value of this probability expression?

$$\frac{{}_4P_3}{({}_5P_4)\cdot({}_2P_2)}$$

a	b	c
1	$\frac{3}{5}$	$\frac{1}{10}$
d	e	
24	$\frac{1}{360}$	

5 What is the value of this probability expression?

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

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

6 What is the value of this probability expression?

$$\frac{{}_5P_4}{({}_4P_4)\cdot({}_4P_2)}$$

a	b	c
30	120	$\frac{1}{120}$
d	e	
$\frac{5}{12}$	$\frac{5}{6}$	

7 What is the value of this probability expression?

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

a	b	c
$\frac{1}{12}$	$\frac{1}{30}$	1
d	e	
6	120	