



Math worksheet on 'Probability Calculation - nCr Over Simple Multiplication (Level 1)'. Part of a broader 'Probability and Statistics - Permutations and Combinations - Practice'

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<b>1</b> What is the value of this probability expression?  $\frac{{}^5C_3}{({}^4C_4) \cdot ({}^3C_3)}$	<b>a</b>	<b>b</b>	<b>c</b>
	5	$\frac{1}{24}$	10
	<b>d</b>	<b>e</b>	
	80	15	

<b>2</b> What is the value of this probability expression?  $\frac{{}^5C_3}{({}^5C_4) \cdot ({}^3C_3)}$	<b>a</b>	<b>b</b>	<b>c</b>
	2	$\frac{1}{5}$	$\frac{2}{3}$
	<b>d</b>		
	10		

<b>3</b> What is the value of this probability expression?  $\frac{{}^2C_2}{({}^5C_5) \cdot ({}^6C_3)}$	<b>a</b>	<b>b</b>	<b>c</b>
	1	$\frac{3}{20}$	$\frac{1}{20}$

<b>4</b> What is the value of this probability expression?  $\frac{{}^3C_2}{({}^5C_3) \cdot ({}^6C_2)}$	<b>a</b>	<b>b</b>	<b>c</b>
	$\frac{1}{25}$	$\frac{1}{150}$	$\frac{3}{10}$
	<b>d</b>	<b>e</b>	
	$\frac{1}{200}$	$\frac{1}{50}$	

<b>5</b> What is the value of this probability expression?  $\frac{{}^3C_3}{({}^5C_2) \cdot ({}^6C_2)}$	<b>a</b>	<b>b</b>	<b>c</b>
	$\frac{1}{2}$	1	$\frac{1}{150}$
	<b>d</b>	<b>e</b>	
	$\frac{1}{15}$	$\frac{1}{100}$	

<b>6</b> What is the value of this probability expression?  $\frac{{}^5C_5}{({}^2C_2) \cdot ({}^5C_3)}$	<b>a</b>	<b>b</b>	<b>c</b>
	$\frac{1}{10}$	$\frac{3}{5}$	$\frac{1}{20}$
	<b>d</b>		
	1		

<b>7</b> What is the value of this probability expression?  $\frac{{}^5C_3}{({}^5C_4) \cdot ({}^6C_3)}$	<b>a</b>	<b>b</b>	<b>c</b>
	2	$\frac{1}{100}$	$\frac{1}{10}$
	<b>d</b>		
	10		