



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

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**2** What is the value of this probability expression?

$$\frac{1}{\binom{6}{6} \cdot \binom{6}{5}}$$

<b>a</b>	$\frac{1}{225}$	<b>b</b>	$\frac{1}{6}$	<b>c</b>	24
<b>d</b>	1				

**3** What is the value of this probability expression?

$$\frac{1}{\binom{6}{6} \cdot \binom{4}{2}}$$

<b>a</b>	$\frac{1}{4}$	<b>b</b>	$\frac{1}{6}$	<b>c</b>	$\frac{1}{15}$
<b>d</b>	1				

**4** What is the value of this probability expression?

$$\frac{1}{\binom{4}{2} \cdot \binom{4}{3}}$$

<b>a</b>	$\frac{1}{12}$	<b>b</b>	$\frac{1}{16}$	<b>c</b>	$\frac{1}{60}$
<b>d</b>	$\frac{15}{4}$	<b>e</b>	$\frac{1}{24}$		

**5** What is the value of this probability expression?

$$\frac{1}{\binom{4}{2} \cdot \binom{5}{4}}$$

<b>a</b>	$\frac{1}{5}$	<b>b</b>	$\frac{1}{2}$	<b>c</b>	$\frac{1}{30}$
<b>d</b>	$\frac{1}{90}$				

**6** What is the value of this probability expression?

$$\frac{1}{\binom{4}{4} \cdot \binom{6}{5}}$$

<b>a</b>	$\frac{1}{6}$	<b>b</b>	$\frac{1}{30}$	<b>c</b>	1
<b>d</b>	$\frac{5}{3}$				

**7** What is the value of this probability expression?

$$\frac{1}{\binom{5}{4} \cdot \binom{5}{4}}$$

<b>a</b>	$\frac{1}{75}$	<b>b</b>	$\frac{1}{25}$	<b>c</b>	$\frac{1}{5}$
<b>d</b>	1	<b>e</b>	2		