



Math worksheet on 'Probability Calculation - Binomial Simple Multiplication (Level 1)'. Part of a broader unit on *Probability and Statistics - Permutations and Combinations Calculations*.

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1 What is the value of this probability expression?

a	b	c
20	$\frac{40}{3}$	40
d		
200		

$\binom{6}{3} \cdot \binom{5}{2}$

2 What is the value of this probability expression?

a	b	c
1	$\frac{10}{3}$	5
d		
20		

$\binom{4}{3} \cdot \binom{5}{4}$

3 What is the value of this probability expression?

a	b	c
3	$\frac{1}{2}$	$\frac{1}{10}$
d	e	
1	$\frac{1}{5}$	

$\binom{2}{2} \cdot \binom{3}{2}$

4 What is the value of this probability expression?

a	b	c
18	36	6
d		
$\frac{18}{5}$		

$\binom{4}{2} \cdot \binom{6}{5}$

5 What is the value of this probability expression?

a	b	c
60	$\frac{2}{5}$	6
d		
$\frac{1}{75}$		

$\binom{6}{5} \cdot \binom{5}{3}$

6 What is the value of this probability expression?

a	b	c
10	20	60
d	e	
5	40	

$\binom{5}{3} \cdot \binom{4}{4}$

7 What is the value of this probability expression?

a	b	c
24	6	1
d	e	
90	36	

$\binom{4}{2} \cdot \binom{4}{4}$