



Math worksheet on 'Probability Calculation - nCm Nc Multiplication (Level 1)'. Part of a broader unit on 'F Statistics - Permutations and Combinations Calculations'.

Learn online:

app.mobius.academy/math/units/probability_and_statistics_permutations_and_combinations

1 What is the value of this probability expression?

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

a	b	c	d	e
$\frac{50}{3}$	150	75	50	1

2 What is the value of this probability expression?

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

a	b	c	d	e
$\frac{2}{5}$	60	12	6	18

3 What is the value of this probability expression?

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

a	b	c	d
1	3	10	5

4 What is the value of this probability expression?

$$\binom{6}{4} \cdot \binom{4}{3}$$

a	b	c	d
4	6	60	15

5 What is the value of this probability expression?

$$\binom{6}{6} \cdot \binom{4}{3}$$

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

6 What is the value of this probability expression?

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

a	b	c	d	e
200	10	100	9	25

7 What is the value of this probability expression?

$$\binom{6}{4} \cdot \binom{5}{3}$$

a	b	c	d	e
1	300	$\frac{5}{4}$	15	150