



Math worksheet on 'Probability Calculation - nPm Nc Multiplication (Level 1)'. Part of a broader unit on 'Probability - 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?

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

a

12

b

288

c

30

d

20

e

2

2

What is the value of this probability expression?

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

a

 $\frac{1}{3}$

b

120

c

1

d

4

3

What is the value of this probability expression?

$$({}_3P_2) \cdot ({}_4P_3)$$

a

48

b

360

c

36

d

144

e

6

4

What is the value of this probability expression?

$$({}_2P_2) \cdot ({}_5P_3)$$

a

120

b

40

c

2

d

4

5

What is the value of this probability expression?

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

a

1

b

120

c

240

d

 $\frac{1}{120}$

6

What is the value of this probability expression?

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

a

240

b

120

c

48

d

5

e

288

7

What is the value of this probability expression?

$$({}_4P_3) \cdot ({}_3P_2)$$

a

48

b

120

c

 $\frac{1}{360}$

d

144

e

 $\frac{6}{5}$