



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?

$$({}_4P_2) \cdot ({}_2P_2)$$

a

24

b

2

c

4

d

12

2

What is the value of this probability expression?

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

a

$\frac{1}{360}$

b

1

c

240

d

2

3

What is the value of this probability expression?

$$({}_6P_2) \cdot ({}_4P_2)$$

a

$\frac{1}{120}$

b

240

c

360

d

12

4

What is the value of this probability expression?

$$({}_5P_5) \cdot ({}_2P_2)$$

a

15

b

240

c

30

d

120

e

1

5

What is the value of this probability expression?

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

a

144

b

48

c

$\frac{1}{360}$

d

$\frac{6}{5}$

e

120

6

What is the value of this probability expression?

$$({}_3P_3) \cdot ({}_5P_3)$$

a

1

b

360

c

240

d

$\frac{1}{4}$

7

What is the value of this probability expression?

$$({}_3P_3) \cdot ({}_3P_2)$$

a

120

b

36

c

144

d

3

e

1