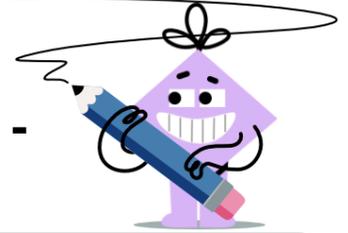




## Probability Calculation - nPm Notation - Simple Multiplication



1 What is the value of this probability expression?

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

- |                  |       |     |                 |      |
|------------------|-------|-----|-----------------|------|
| A $\frac{1}{24}$ | B 240 | C 1 | D $\frac{1}{2}$ | E 24 |
|------------------|-------|-----|-----------------|------|

2 What is the value of this probability expression?

$$({}_4P_2) \cdot ({}_3P_3)$$

- |                   |     |      |      |
|-------------------|-----|------|------|
| A $\frac{1}{120}$ | B 1 | C 12 | D 72 |
|-------------------|-----|------|------|

3 What is the value of this probability expression?

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

- |       |      |      |       |     |
|-------|------|------|-------|-----|
| A 144 | B 36 | C 48 | D 360 | E 6 |
|-------|------|------|-------|-----|

4 What is the value of this probability expression?

$$({}_2P_2) \cdot ({}_6P_3)$$

- |                 |     |       |      |                  |
|-----------------|-----|-------|------|------------------|
| A $\frac{2}{3}$ | B 2 | C 240 | D 24 | E $\frac{5}{36}$ |
|-----------------|-----|-------|------|------------------|

5 What is the value of this probability expression?

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

- |      |                  |      |      |
|------|------------------|------|------|
| A 12 | B $\frac{3}{10}$ | C 36 | D 18 |
|------|------------------|------|------|

6 What is the value of this probability expression?

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

- |     |      |       |     |      |
|-----|------|-------|-----|------|
| A 8 | B 36 | C 240 | D 6 | E 24 |
|-----|------|-------|-----|------|

7 What is the value of this probability expression?

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

- |     |                   |       |     |
|-----|-------------------|-------|-----|
| A 2 | B $\frac{1}{360}$ | C 240 | D 1 |
|-----|-------------------|-------|-----|

8 What is the value of this probability expression?

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

- |      |     |       |     |
|------|-----|-------|-----|
| A 40 | B 4 | C 120 | D 2 |
|------|-----|-------|-----|