

$${}_5P_2$$

$${}^5P_2 = 5 \times 4$$

2 個

$${}^5P_2 = \underbrace{5 \times 4}_{2 \text{ 個}}$$

$$= 20 \quad \boxed{\text{答}}$$

順列 P の計算例 (その 2)

$${}_9P_3$$

順列 P の計算例 (その 2)

$$\textcircled{9}P\textcircled{3} = \textcircled{9} \times 8 \times 7$$

3 個

順列 P の計算例 (その 2)

$$\begin{aligned} \textcircled{9}P\textcircled{3} &= \textcircled{9} \times 8 \times 7 \\ &= 504 \quad \boxed{\text{答}} \end{aligned}$$

The diagram illustrates the calculation of the permutation 9P_3 . The number 9 is circled in orange, and the number 3 is circled in green. An orange arrow points from the circled 9 to the first term of the product, 9. A green arrow points from the circled 3 to the number 3 in the expression "3個" (3 items), which is positioned under a bracket that spans the terms 9, 8, and 7. The final result, 504, is followed by a boxed character "答" (Answer).

順列 P の計算例 (その 3)

$${}_{11}P_4$$

順列 P の計算例 (その 3)

$${}_{11}P_4 = 11 \times 10 \times 9 \times 8$$

4 個

順列 P の計算例 (その 3)

$$\begin{aligned} \textcircled{11} P \textcircled{4} &= \textcircled{11} \times 10 \times 9 \times 8 \\ &= 7920 \quad \boxed{\text{答}} \end{aligned}$$

The diagram illustrates the calculation of the permutation ${}_{11}P_4$. The first part shows the expression ${}_{11}P_4 = 11 \times 10 \times 9 \times 8$. The number 11 is circled in orange, and the number 4 is circled in green. A curved orange arrow points from the circled 11 to the first 11 in the product, and a curved green arrow points from the circled 4 to the number 4 in the text "4個". A large black bracket underlines the product $11 \times 10 \times 9 \times 8$. The second part shows the result $= 7920$ followed by a boxed character "答" (Answer).