

Section 15-10: Permutations with Repetition

1. 080727a, P.I. A.N.8

Which expression represents the number of different 8-letter arrangements that can be made from the letters of the word "SAVANNAH" if each letter is used only once?

- [A] $8!$ [B] $\frac{8!}{3!2!}$ [C] ${}_8P_5$ [D] $\frac{8!}{5!}$

2. 010829a, P.I. A.N.8

What is the total number of different seven-letter arrangements that can be formed using the letters in the word "MILLION"?

- [A] 2,520 [B] 1,260 [C] 210 [D] 30

[1] B

[2] B