

The formula for the number of permutations of n things taken r at a time is _____.

A) $P(r, n) = \frac{n!}{(n - r)!}$

B) $P(r, n) = \frac{n!}{(n + r)!}$

C) $P(r, n) = n! \cdot (n - r)!$

D) $P(r, n) = n! \cdot (n + r)!$

The formula for the number of permutations of n things taken r at a time is $P(r, n) = \frac{n!}{(n - r)!}$.

Answer **A**