Danielle Medicines Amaral - CT11317 1 CB3006158

Faterial

01 0 4! = 4.3.2.1 = 24

01 6)5!-6!=5!-6.5! 5(-64) 120(-5)
5!=5.4.3.2.1=120 120.-5=-600

01 c) 9! /6! = 9! 6.5.4.3.2.1 = 720 362,880 = 504

 $\frac{(N-1)! N!}{(N-1)!^{2}(N-1)! N!} \frac{(N-1)!}{N!-N!-(N-1)! N!} \frac{(N-1)!}{N!-(N-1)!} \frac{(N-1)!}{N(N-1)!-(N-1)!}$

N-1 vesperta litra d

 $\frac{(N+2)!(N-2)!=4}{(N+1)!(N-1)!} = \frac{N^2-2N+2N-4=4}{N^2-1N+1N-1=N} = \frac{2N^2-8N}{N^2-2N-4N-1=N} = \frac{2N^2-8N}{N^2-2N-1=N} = \frac{2N^2-8N}{N^2-2N-1=N} = \frac{2N^2-8N}{N^2-2N-1=N} = \frac{2N^2-8N}{N^2-2N-1=N} = \frac{2N^2-8N}{N^2-2N-1=N} = \frac{2N^2-8N}{N^2-2N-1=N} = \frac{2N^2-2N-1}{N^2-2N-1=N} = \frac{2N^2-2N-1}{N^2-2N-1} = \frac{2N^2-2$

 $\frac{(n+1)! - n! = \frac{1}{2} \quad (n+1)! - n \cdot (n-1)! - n \cdot (n-1)! = \frac{1}{2}}{(n+1)!}$

 $\frac{(n-1)! \left[N(N+1)-N \right] = \frac{1}{2} \qquad \frac{(n+1)! (n^2).7}{(n+1)! (n^2).7} \quad N^{2}-7 \quad N(N-7)=0}{(n+1)! (n^2).7}$

letra D

OG[(n-1)![(n+1)!-n!](n-1)![(n!(n+1-1)]] $[n-1)!(n!n)=[n(n-1)!][n!]=(n!)(n!)=(n!^2)$ resports letter D

 $\frac{(n+1)!-n!}{(n+1)!-n!} = \frac{(n-1)!+(n-1)!}{(n+1)-n!} = \frac{6}{25} \frac{(n-1)![n+1]}{(n+1)-1} = \frac{6}{25}$

(n-1)![n+1] = 6 n+1 = 6 6n2 = 25 [n+1] 6n2 = 25+25 n(n-1)![n+1]-1 25 n2 25 6n2 - 25n-25=0

D=(-25)2-4.6.(-25) N=000 625+600 N=1125

 $\kappa = 25 \pm \sqrt{1125}$ $\kappa = 25 \pm 35$ $n_1 = 60 = 5$ $n_2 = 10$

n=5 resposta setra c

08/211-221=

21! Shatores 5,10,15,20. 21! = quatro zeros.

0000 : 9779

dat legainer resporte letre D