

Exercícios

$$01 - P_8 - P_7 \cdot P_2 = 8! - 7! \cdot 2! = 30,240$$

$$02 - \frac{L \cdot V \cdot V \cdot V \cdot V \cdot V \cdot V}{1 \cdot 5 \cdot 5 \cdot 4 \cdot 3 \cdot 2 \cdot 1} = 5 \cdot P_5 = 5 \cdot 5! = 600$$

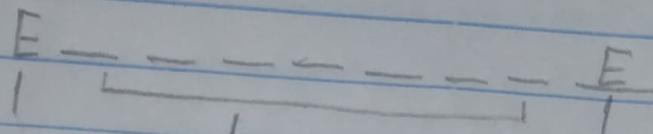
- ↳ Téder menor e anterior
- ↳ Téder maior e magro retorcido
- ↳ Aprender a biomecânica

D

③ $P_5 = 5! = 120$

(A)

④ MACKENZIE = 9 letras



$\hookrightarrow P_7 = 7! = 5040$

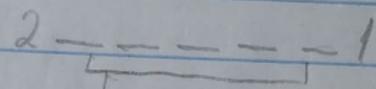
(C)

⑤ LONDRES = 7 letras

Vogais E, O, E, E

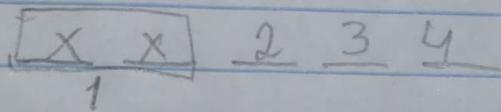
Consoantes E, L, N, D, R, S, E

(B)



$\hookrightarrow 2 \cdot P_5 = 2 \cdot 5! = 240$

⑥



$P_4 = 4! = 24$

$24 \cdot 2 = 48$

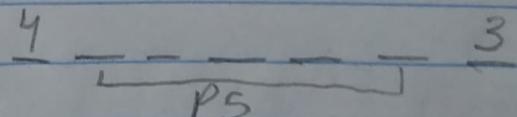
\hookrightarrow random in order

(B)

⑦ ERNESTO = 7 letras

Vogais E, E, O, E

Consoantes E, R, N, S, T, O



$4 \cdot 3 \cdot P_5^2 = \frac{12 \cdot 5!}{2!} = \frac{1440}{2} = 720$

(B)

⑧ $P_5 - P_4 \cdot P_2 = 5! - 4! \cdot 2! = 120 - 24 \cdot 2 = 72$ (B)

⑨ $P_6^{3,3} = \frac{6!}{3! \cdot 3!} = 20 \rightarrow 20 \cdot 3 = 60$

\hookrightarrow 3 colors

(E)