Permutações ___/___/___

01. $P_8 - P_7 \cdot P_2 = 8! - 7! \cdot 2! = 40320 - 10080$
$$= 30240$$

02. $1 \cdot 5 \cdot 5! = \boxed{600 \ (D)}$

03. $P_5 = 5! = \boxed{120 \ (A)}$

04. $\underline{E \quad 7 \cdot 6 \cdot 5 \quad 4 \cdot 3 \cdot 2 \cdot 1 \quad E}$ $\quad P_7 = 7! = \boxed{5040 \ (C)}$
(MACKNZI)

05. vogais: O, E $\qquad\qquad$ $2 \cdot 5! = \boxed{240 \ (B)}$
CONSOANTES: L, N, D, R, S

06. $P_4 \cdot P_2 = 4! \cdot 2! = \boxed{48 \ (B)}$

07. $\dfrac{4 \cdot 3 \cdot 5!}{2!} = \boxed{720 \ (B)}$

08. $P_5 - P_4 \cdot P_2 = 5! - 4! \cdot 2! = \boxed{72 \ (B)}$

09.

6	5	4
9	2	1
3	2	1

$\dfrac{(9 \cdot 2 \cdot 1) \cdot 6!}{3! \cdot 3! \cdot 3!} = \boxed{60 \ (E)}$