

PLATAFORMA

1) Placas

a)

$$3L = 27 \quad (27)^3 (9)^4 = 129,140,163$$

$$4D = 9$$

B) No de copete

$$27 \times 26 \times 25 \times 9 \times 8 \times 7 \times 6$$

$$\left(\frac{27!}{24!}\right) \times \left(\frac{9!}{5!}\right) = 53,071,200$$

2) Clientes

$$9 \times 8 \times 7 \times 6 \times 5 \dots = 9! = 362,880$$

3) Competencias de verano

7 Competidores, 3 primeros lugares

$$P_7^3 = \frac{7!}{4!} = nPr = 7P_3 = 210$$

4) Restaurante

14 platillas totales

4 platillas

$$C_4^{14} = \frac{14!}{4! \cdot 10!} = 1001 \rightarrow 14C_4 = 1,001$$