

$$3L = 27$$

$$4 \text{ Digitos} = 9$$

$$\overset{L}{2} \overset{L}{7} \overset{L}{x} \overset{L}{2} \overset{L}{7} \overset{L}{x} \overset{L}{2} \overset{L}{7} \overset{\#}{x} \overset{\#}{9} \overset{\#}{x} \overset{\#}{9} \overset{\#}{x} \overset{\#}{9} \overset{\#}{x} \overset{\#}{9} = 129 \quad 140 \quad 163$$

$$(23^3)(9^4) =$$

$$(27)^3 (9)^4 = 27^3 \cdot 9^4$$

b) No se repite

$$27 \times 26 \times 25 \times 9 \times 8 \times 7 \times 6 = 53 \quad 071 \quad 200$$

$$\frac{(27)!}{24} \times \frac{9!}{5!}$$

Cientas 9

$$9 \times 8 \times 7 \times 6 \times 5 \dots 9!$$

①

7 Competidores

3 primeros lugares

$$P \frac{7}{3} \rightarrow \frac{7!}{4!} = 210$$

$$nPr = 7P3$$

14 platillos totales

4 platillos

$$C_4^{14} = \frac{14!}{4! \cdot 10!} = 1001$$

$$nC_r = 14 C_4$$