

Solucion pdf

1) Resultados

$$\begin{matrix} 1 \rightarrow 3 \\ 2 \rightarrow 2 \\ 3 \rightarrow 4 \end{matrix} \quad 3+2+4 = \underline{\underline{9}}$$

- * mecanico - automatico
- * vidrios elec - aire acon - sistema auto
- * loja - gnis - daada - verde - negro

$$P((3,1) \cup (5,1)) = ((3,1) \cup (5,1))$$

$$((3,1)) = \frac{3!}{(3-1)! \cdot 1!} = \frac{3!}{1! \cdot 1!} = \frac{6}{2} = \frac{3}{1} = \underline{\underline{3}}$$

$$((5,1)) = \frac{5!}{(5-1)! \cdot 1!} = \frac{5!}{(4)! \cdot 1!} = \frac{120}{24} = \underline{\underline{5}}$$

$$((3,1) \cup (5,1)) = ((3,1)) + ((5,1)) = 3 + 5 = \underline{\underline{8}}$$

$$3) \boxed{\square \square \square \square} = P_4! = 4 \times 3 \times 2 \times 1 = \underline{\underline{24}} \rightarrow \textcircled{a}$$

$$\boxed{\square \square \square} = P_3! = 3 \times 2 \times 1 = \underline{\underline{6}} \rightarrow \textcircled{b}$$

Grupo 1 = 3	4 x 3 = 12
Grupo 2 = 3	1 x 4 = 4
Grupo 3 = 3	12 x 4 = <u>16</u> → a
Grupo 4 = 4	3 x 3 = <u>9</u> → b

2 x 5 = 6
1 x 4 = 4
6 + 4 = <u>10</u> → c = si cambiana

5) ABCDEFGHIJ

$$P_8! = 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 40320$$

$$P(8;8) = \frac{8!}{(8-8)!} = \frac{8!}{0!} = 8! = \underline{\underline{40320}}$$