

$$\textcircled{1} \quad a) 129, 140, 163$$

$$b) 53, 07, 200$$

$$\textcircled{2} \quad 0 = \begin{array}{cccccccc} 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 \\ 9 & 8 & 7 & 6 & 5 & 4 & 3 & 2 & 1 \end{array} = 9! = 362880$$

$$\textcircled{3} \quad \begin{array}{ccc} 3 & 2 & 1 \\ \hline 7 \times 6 \times 5 \end{array} \quad 7! = 210$$

$$\textcircled{4} \quad = C_1 = C_4^4 = \frac{4!}{4! \cdot 10} = 1001$$