

Taller 5:

Telefono

$$1) \ a). \ C(20, 7) = \frac{20!}{(20-7)! \cdot 7!} = \boxed{77520}$$

$$b). \ C(15, 4) = \frac{15!}{(15-4)! \cdot 4!} = 1365$$

x } $\boxed{13650}$

$$C(5, 3) = \frac{5!}{(5-3)! \cdot 3!} = 10$$

2) Baraja:

$$a). \ C(52, 5) = \frac{52!}{(52-5)! \cdot 5!} = \boxed{2.598.960}$$

$$b). \ C(13, 5) = \frac{13!}{(13-5)! \cdot 5!} = \boxed{1287}$$

$$c). \ ~~13~~ \ \boxed{3744} \leftarrow 13 \times 12 \times 11 \times 10$$