

Taller 5

1
a $18 \rightarrow 8$

$$= \frac{18!}{10! \cdot 8!} = 43,758$$

b $5 \rightarrow 3$

$$13 - 5 = \frac{5!}{2! \cdot 3!} \cdot \frac{13!}{8! \cdot 5!} = 10 \cdot 1287 = 12,870$$

2.

a

$52 \rightarrow 5$

$$= \frac{52!}{47! \cdot 5!} = 2,598,960$$

b paso 1 $13 \rightarrow 4$ palos

paso 2 $\rightarrow C_{13,5} =$

$$13C5 = \frac{13!}{8! \cdot 5!} = 1287 \cdot 4 = 5148$$

C paso 1 $13C1 = 13$

paso 2 $= 4C3 = 4$
 $= 3744$

paso 3 $= 12C1 = 12$

paso 4 $= 4C2 = 6$