

$$\textcircled{1} \begin{matrix} n=9 \\ r=5 \end{matrix}$$

$$C(9,5) = \frac{9!}{(9-5)!5!} = \frac{9!}{4!5!} = 126$$

$$\textcircled{2} \begin{matrix} n=45 \\ r=2 \end{matrix}$$

$$C(45,2) = \frac{45!}{(45-2)!2!} = \frac{45!}{43!2!} = 990$$

$$P(45,2) = \frac{45!}{(45-2)!} = \frac{45!}{43!} = 1,980$$

$$\begin{matrix} n=28 \\ r=2 \end{matrix}$$

$$C(28,2) = \frac{28!}{(28-2)!2!} = \frac{28!}{26!2!} = 378$$

$$P(28,2) = \frac{28!}{(28-2)!} = \frac{28!}{26!} = 756$$

Asunto:

D

3)

$$\begin{matrix} E=5 \\ A=3 \end{matrix}$$

$$P(A) = \frac{3}{5} = 0.6 \Rightarrow 60\%$$

4)

$$P(A \cup B) = P(A) + P(B) - P(A \cap B)$$

$$\frac{1}{13} + \frac{1}{52} - \frac{4}{13} = 0.22$$

0.07  
0.01  
0.30

5) 60% baloncesto y ~~mas~~ <sup>música</sup>

$$P(A) = \frac{60}{100} = \frac{3}{5} = 60\%$$

$$P(B) = \frac{40}{100} = 0.4 = 40\%$$