

①

$$n=9$$

$$r=5$$

$$P = \frac{9!}{(9-5)!} = \frac{362880}{24} = 120$$

②

$$\frac{45}{2+x} \Rightarrow x = \frac{45}{2} = 22.5$$

③

$$n=5$$

$$r=3$$

$$P = \frac{5!}{(5-3)!} = \frac{60}{1} = \frac{1}{60}$$

④

$$\textcircled{A} \quad \frac{n=52}{r=4} = \frac{13}{1} = \frac{1}{13}$$

$$\textcircled{B} \quad \frac{n=52}{r=1} = \frac{52}{1} = \frac{1}{52}$$

$$\textcircled{C} \quad \frac{n=52}{r=13} = \frac{4}{1} = \frac{4}{13}$$

⑤

60%  $\rightarrow$  0.6 espacio muerta  
0.2 suceso

$$P = \frac{0.2}{0.6} = 0.333 \rightarrow 33.3\%$$