An urn has 4 red balls and 6 yellow balls. (hoose 3 at random (without replacement). What is the probability that exactly 2 are red?

- $\frac{\binom{4}{2}\binom{6}{1}}{10.9 .8}$
- $\frac{\binom{4}{2}\binom{6}{1}}{\binom{10}{3}}$

- $\frac{(4 \cdot 4 \cdot 6)+(4 \cdot 6 \cdot 4)+(6 \cdot 4 \cdot 4)}{10^{3}}$
- $\frac{(4 \cdot 3 \cdot 6)+(4 \cdot 6 \cdot 3)+(6 \cdot 4 \cdot 3)}{10^{3}}$

