Question #9940

In a bag there are 5 red marbles, 2 green, 4 yellow and 3 blue. Once a marble is drawn it is not replaced. What is the probability of choosing a red and then a yellow marble?

Solution. The probability equals(of course, we assume that all decisions are equally likely and independent) $\dfrac{5}{14} \cdot \dfrac{4}{13} = \dfrac{10}{91} \approx 0.11$.

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