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b. Alicia learns that when she opens a new bag of candy, she has a  $\frac{2}{5}$  chance of pulling out a piece of Ridiculous Raspberry and a  $\frac{1}{3}$  chance of pulling out a piece of Killer Kiwi. Could she have a  $\frac{4}{15}$  chance of pulling out a piece of Perfect Peach?

c. When the company introduces the new flavor, it plans to make Perfect Peach  $\frac{3}{10}$  of the candy in each bag. If there is an equal amount of the remaining three flavors, what is the probability that the first piece you pull out of the bag will be Crazy Coconut?

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*5-27. Los dulces favoritos de Alicia son Fruiti Tutti Chews, que vienen en tres sabores: Killer Kiwi, Crazy Coconut y Ridiculous Raspberry. Este año será el 50<sup>o</sup> año en que se elabora el dulce. Para celebrarlo, la empresa que fabrica Fruiti Tutti Chews publica nuevos anuncios y presenta un cuarto sabor: Perfect Peach.*

*a. Uno de los nuevos anuncios dice que si mete la mano en cualquier bolsa de Fruiti Tutti Chews, tiene la posibilidad de sacar un caramelo Killer Kiwi. Otro anuncio dice que de cada bolsa hay Ridiculous Raspberry. ¿Los anuncios dicen la verdad?*

*b. Alicia descubre que cuando abre una nueva bolsa de dulces, tiene la posibilidad de sacar un trozo de Frambuesa Ridícula y la posibilidad de sacar un trozo de Kiwi Asesino. ¿Podría tener alguna posibilidad de sacar un trozo de Perfect Peach?*

*c. Cuando la compañía presente el nuevo sabor, planea hacer Perfect Peach con los dulces en cada bolsa. Si hay la misma cantidad de los tres sabores restantes, ¿cuál es la probabilidad de que el primer trozo que saques de la bolsa sea Crazy Coconut?*

