Bellwork Alg 2B Tuesday, May 1, 2018

1. When I go to McDonals's the probability that I get a cheeseburger is $\frac{4}{9}$, the probability that I get some fries is $\frac{7}{13}$. Find the following probability as a percent to the nearest hundredth. P(get cheeseburger or get fries)=

2. I'm going to make a shake at home by putting some vanilla ice cream in a blender along with some other ingredients. I have the following other ingredients to choose from:

4 fruits: bananas, peaches, blueberries, strawberries

5 sauces: caramel, butterscotch, milk chocolate, dark chocolate, white chocolate

5 nuts: peanuts, cashews, walnuts, macadamia nuts, almonds

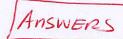
a) How many different shakes can I make if I want 2 fruits, 2 sauces, and 2 nuts?

b) I'm going to share my shake with my sister. I want 3 fruits and she only wants 3 sauces. How many different shakes are possible if we get one with 3 fruits or one with 3 sauces?

3. When you buy a burger at White Castle there is a 20% chance the bun is stale. If you buy an 8-pack of burgers find the following probability as a percent to the nearest tenth.

P(at least 6 of the buns are stale) =

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