



## Problem of the Week

### Problem D

### Surprise Cupcakes

As part of their opening day celebration, Benny's Bakery made 150 cupcakes. The cupcakes all looked identical on the outside, but 6 of them had caramel inside. Customers who bought a cupcake with a caramel inside won a free cake. The cupcakes were randomly arranged and customers were allowed to choose their own cupcakes.

Zoe was the first customer in line and bought three cupcakes. What is the probability that exactly one of Zoe's cupcakes had caramel inside?

