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You are at an auction trying to determine whether or not a specific painting is a <u>fraud</u>. You decide to ask around and get opinions from people at the auction site.

## **Option A:**

An expert art inspector has an accuracy of 80%. There is only one on site.

## **Option B:**

Other attendees, who are not quite as knowledgeable, accurately identify whether or not a piece of art is fake 55% of the time. There are at most 100 other attendees you can ask.

Assuming you can only have time for one option, which would you choose? Why?

Hint: Think about how you might be able to use a binomial distribution perhaps....