

Buttons Galore

Activity

Champion Buttons-in-the-jar Guesser... REVEALS HER SECRETS!

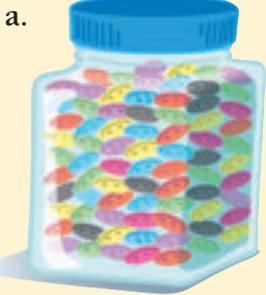


Matilda Matthews is the world champion buttons-in-the-jar guesser. How does she do it? "Well," says Matilda, "basically, I look at the top layer in the jar and estimate the number

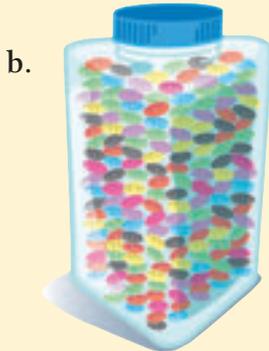
of buttons in that layer. Then I estimate how many layers of buttons there are. I multiply the number of buttons in the top layer by the number of layers I think there are."

1. Use Matilda's strategy to estimate the number of buttons in these jars.

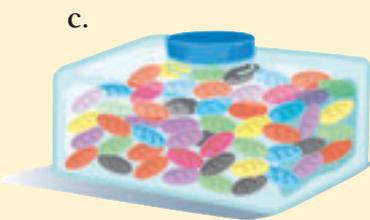
2. Would Matilda's strategy work with the mixture of shells in this jar? Explain your answer.



a. Rectangular base



b. Triangular base



c. Rectangular base



d. Circular base

