MODELING INTRODUCTION: COUNTING JELLY BEANS

E.QUINN

"Guess the number of objects in the jar" games are common. Your task is to construct a mathematical model that will compute that number.

- No guessing! You have to explain how your model computes the count.
- You should compute the volume of the carafe from measurements of its dimensions (you may not, for example, measure the volume by filling it with water)
- Bonus points will be awarded for answers within 10% of the actual count, and for the closest answer.