

Geometry Honors



Period: _____ Group Number: _____

Recorder/Reporter: _____

Team Captain: _____

Facilitator: _____

Resource Manager: _____

Group Test - The Candy Jar

We are holding a contest to see which group can come closest to finding the number of pieces of candy in their jar. The winning team gets to keep the candy!

Use whatever calculations and measurements you need to determine the amount of candy in your jar. As you can see, the Gobstoppers don't fill up the jar completely. *Your challenge is to decide how to account for the empty spaces between candies in your calculations.*

In order to get the most amount of credit, you must include a written explanation of any/all of your methods. However you choose to calculate the number of candies, be sure to include:

Any measurements that your group took and why

The total volume (of anything) that the jar can hold

The volume of one individual Gobstopper

Points will be awarded for:

Thoroughness, neatness, and organization – explain all of your work neatly and completely!

Creativity – there is more than just one way to calculate the number of pieces of candy.

Multiple Solutions – If your group has more than one idea, use them all! Hopefully your group will come up with a few different approaches (hint: I am expecting to see at least one solution per group member). Write out the calculations and explanations for each one, then choose **one** of your final answers to enter into the contest.

Accuracy – did you measure correctly? Did you keep all of your decimal places and only round at the very end? Is your answer really, really close to the actual number? Make sure that every person in your group verifies all of the calculations (as in, each member should calculate *separately* and you should compare your answers to make sure they are correct).

Your team's official guess: _____