**Robots!**

**Do you know the Area and Volume of YOUR Robots?**

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**Part 1:**

Trace out your robot onto the grid sheet.

* You must use trace along the grid lines.
* You must use entire squares, not half or quarter.
* Name your Robot!!!

Answer the following questions:

The area of my robot’s body is \_\_\_\_\_ squares.

The area of my robot’s head is \_\_\_\_\_ squares.

The area of my robot’s arms is \_\_\_\_\_ squares.

The area of my robot’s legs is \_\_\_\_\_ squares.

The area of my robot that wasn’t included in any other category above is \_\_\_\_\_ squares.

The TOTAL area of my robot is \_\_\_\_\_ squares.

My robot has the same / smaller/ larger (choose one) area than \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ robot.

(Classmate’s name)

**Part 2:**

Use sugar cubes to cover your robot drawing.

* You cannot change the width and length.
* You may make the height as big as you like.
* You may “glue” your sugar cubes together with icing.

Answer the following questions:

The volume of my robot’s body is \_\_\_\_\_ cubes.

The volume of my robot’s head is \_\_\_\_\_ cubes.

The volume of my robot’s arms is \_\_\_\_\_ cubes.

The volume of my robot’s legs is \_\_\_\_\_ cubes.

The volume of my robot that wasn’t included in any other category above is \_\_\_\_\_ cubes.

The TOTAL volume of my robot is \_\_\_\_\_ cubes.

My robot has the same / smaller/ larger (choose one) volume than \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ robot.

(Classmate’s name)