



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Galileo has been busy designing new buildings for the town of Mathemia. He is using 2 cm blocks to build models of the buildings and has decided that Mathemia needs at least 7 buildings to make it look like a decent sized town. He has 50 cubes. Create seven building models using all of the cubes and draw them on a piece of grid paper.

Under each building write the volume and surface area for each building.

Galileo is concerned about what the buildings will look like from other angles. Choose the largest building you have drawn.

On the grid below draw what your building will look like from the top, sides and front.





<b>Top View</b>				<b>Left side</b>									

**PREVIEW**

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**Challenge:**

The Mathemia Hospital that Galileo designed looks like this:

Front view  Right Side view  Left side view  Top view 

Draw the building on grid paper. How many cubes are used?



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<b>Top View</b>				<b>Left side</b>									

**PREVIEW**

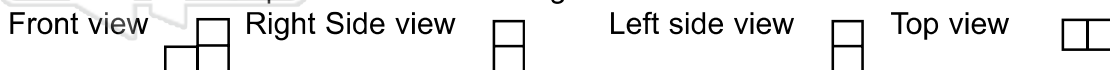
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Answers will vary.



### Challenge:

The Mathemia Hospital that Galileo designed looks like this:



Draw the building on grid paper. How many cubes are used? **3 cubes**