

5th Grade Volume Project: Architecture Challenge

Use this planning sheet to be sure you've thought about and calculated each specification for your design. Use the sections of the plan that apply (for example, you might not need calculations for the natural sunlight requirement).

Specification	Planning/Thinking	Calculations
Home must have a footprint of 150 to 250 square meters (The footprint is the area of the home site, defined by the perimeter of the building plan).		
At least 3 bedrooms (One master bedroom, one for the daughter and one for the son)		
Wants lot of natural sunlight coming into the home		

<p>Multi-story home (home that has more than one floor)</p>		
<p>Home must be a composite rectangular prism, made up of at least three or more rectangular prisms that are all different sizes</p>		
<p>Would like to know the volume of each of the rectangular prisms that make up the home (rooms) and also the total volume of the home.</p>		