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Do Now: Tiny House Design		

Scenario:

You just graduated from architecture school and you are anxious for your first job. A young family of three with a baby and a dog want you to design their dream tiny home. In this exercise, you will create the perfect living space for them. Your job is to imagine, design, build and decorate the perfect tiny home for this young family.

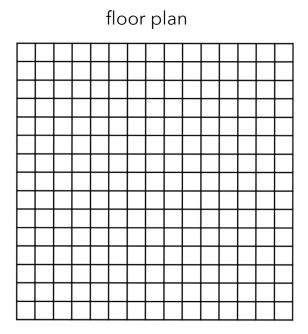
1. Describe two design features you would include in a tiny house to meet the needs of this family.

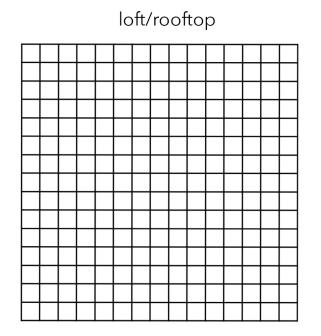
Tiny House Requirements:

The area of the **footprint** of this home must be no greater than 150 square feet and may only be 12 feet tall. You can, however, make use of the vertical space to create a loft or even a roof patio.

**Keep in mind that many adults are more than 6 feet tall so a full second story is not an option

2. Sketch and label the dimensions of a floor that meets the 150 sq feet area "rule".



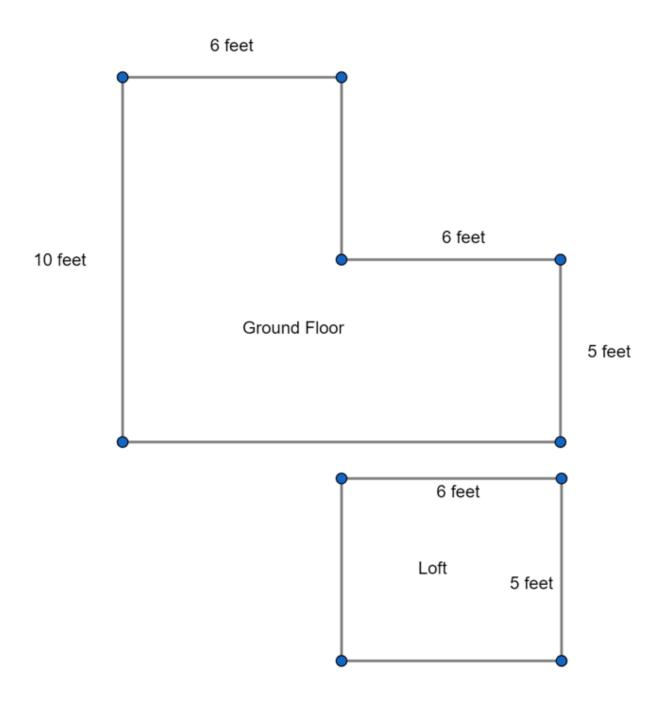




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3. Irregular House Floor Plan

Does this floor plan meet the requirements?



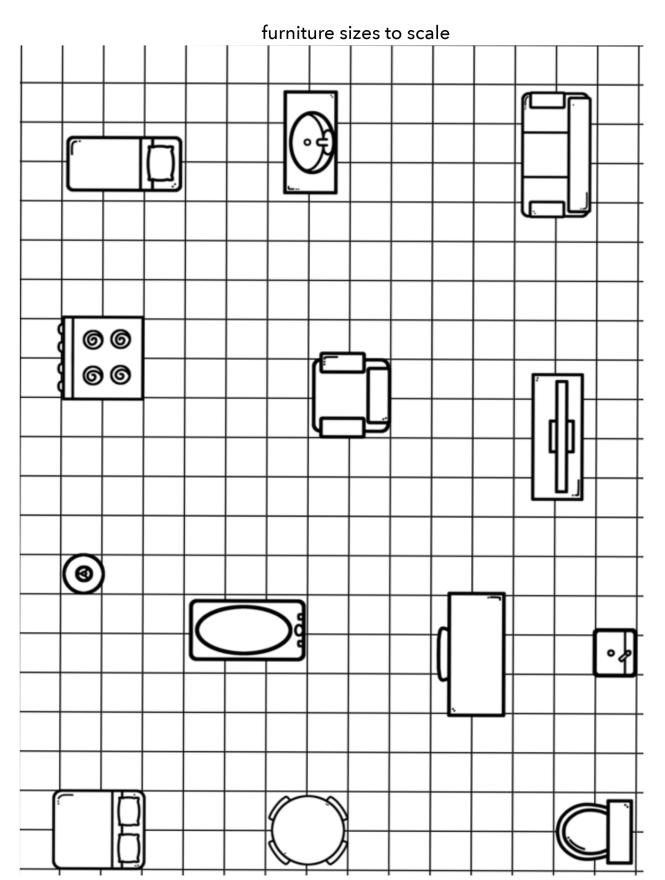


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Tiny House Plan Draft

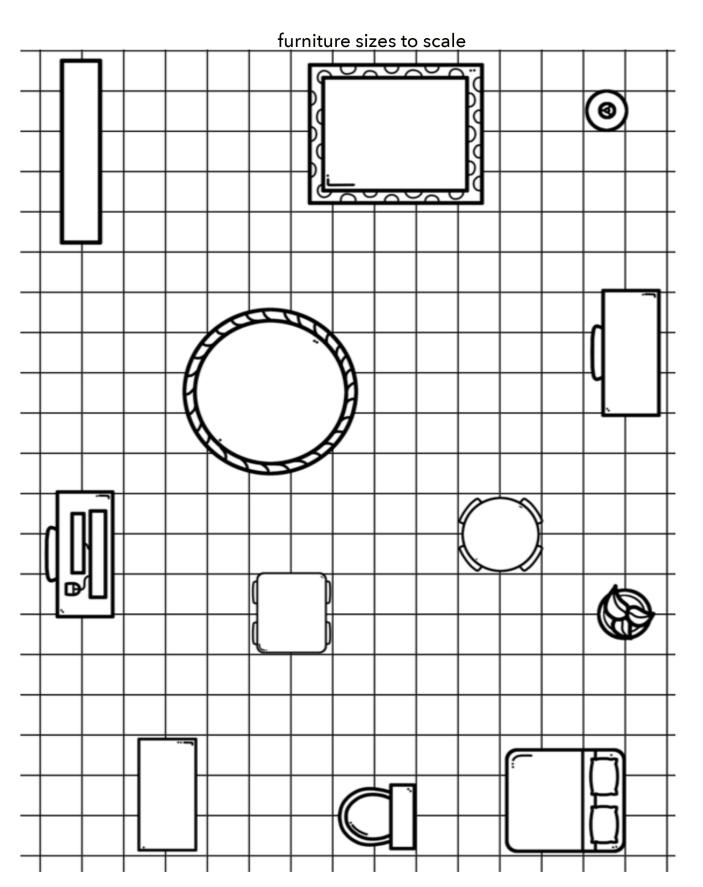


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Standard: ETS 1.2: Generate and compare multiple possible so each is likely to meet the criteria and constraints of the MP 1: Make sense of problems and persevere in solving MD 6: Understand concepts of area and relate area areas by counting unit squares. 4 MD 3: Solve problems involving measurement and smaller unit. Apply the area and perimeter formulas mathematical problems. 5 MD 4: Understand concepts of volume and relate	plutions to a problem based on how well the problem ving them ta to multiplication and addition. Measure d measurements from a larger unit to a for rectangles in real world and
Objective	:
I know how to design a tiny house because I can crea	ate a floor plan.
Tiny House Footprint and Design Worksheet	
1. The area of my tiny house is I do	determined this by:
 Describe 5 design choices you had for your tiny l for your family of three. Choice 1: 	nouse. Explain why they will be importan
Choice 2:	
Choice 3:	
Choice 4:	
Choice 5:	



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