

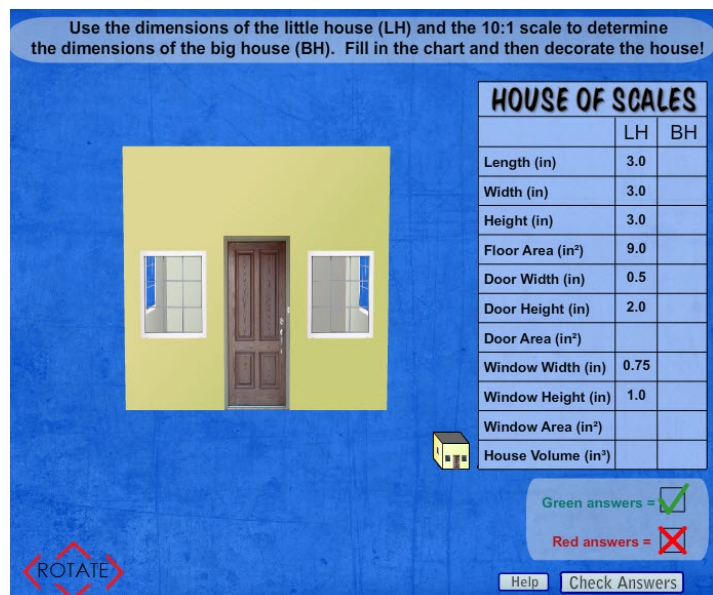
Miniature Land: House of Scales

Welcome to “House of Scales.” This interactive opens to a question at the top of the page and an image of a miniature house. Follow the prompts and receive visual answers for each question by clicking the “Next” button.

You will eventually reach a calculation page with a “House of Scales” chart. Fill in the correct answers and receive fun home-decorating options.

“Check Answers” will reveal if your answers are correct (the answer will turn green) or incorrect (the answer will turn red). There is no margin of error for this particular chart.

Use the dimensions of the little house (LH) and the 10:1 scale to determine the dimensions of the big house (BH). Fill in the chart and then decorate the house!



HOUSE OF SCALES		
	LH	BH
Length (in)	3.0	
Width (in)	3.0	
Height (in)	3.0	
Floor Area (in ²)	9.0	
Door Width (in)	0.5	
Door Height (in)	2.0	
Door Area (in ²)		
Window Width (in)	0.75	
Window Height (in)	1.0	
Window Area (in ²)		
House Volume (in ³)		

Green answers =

Red answers =

Help Check Answers

Text of Help Boxes for “House of Scales”

The help box offers interactive directions.

Help 1: Clicking on the up arrow at the bottom left will cause the house to move down so that you can view the interior. Clicking on the down arrow will move it back to its original position. The left and right arrows rotate the house in opposite directions.

As you answer questions correctly, menus will appear at the bottom of the page that allow you to decorate the house. If you want to see the interior of the house up close, right click on a PC or control click on a Mac, and zoom in.



Chart for “House of Scales”

Use the dimensions of the little house (LH) and the 10:1 scale to determine the dimensions of the big house (BH). Fill in the chart.

	LH	BH
Length (in)	3.0	
Width (in)	3.0	
Height (in)	3.0	
Floor Area (in²)	9.0	
Door Width (in)	0.5	
Door Height (in)	2.0	
Door Area (in²)		
Window Width (in)	0.75	
Window Height (in)	1.0	
Window Area (in²)		
House Volume (in³)		

