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Geometry

Tiny House

Templates to make a miniature tiny house and to calculate area and perimeter



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Geometry Tiny House

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PRINT SETTINGS

Please use Acrobat Reader to print and make sure that the settings 'Actual size' and 'Auto portrait/landscape' are selected.

SAVE PAPER & TONER

Only print out the pages you need.

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INTRODUCTION

Tiny House

A tiny house is exactly what it sounds like: a small house with the most minimal living requirements inside.

Tiny houses are an alternative to the normal way of living. They have everything you need inside a compact space and promote sustainability. The space is obviously limited and must therefore be used wisely. From the outside, the house definitely looks tiny, but inside is anything but cramped. There is a kitchenette with a stove, sink and refrigerator, a separate bathroom with a shower and toilet, a bed, table and chairs and even a small fireplace.



The tiny house movement started in America- a counter-movement to 'bigger is better'. The floor area of tiny houses are between 160 and 500 square feet. They require a connection to the public supply and disposal of electricity, water and sewage.

The goal of this project is to build a tiny house and then calculate the area and perimeter of each part. All templates include a grid with boxes and for our purposes, each box is defined as 1 unit. This makes it simple to count and calculate all the geometric measurements. There is a worksheet and corresponding answer sheet for doing this.

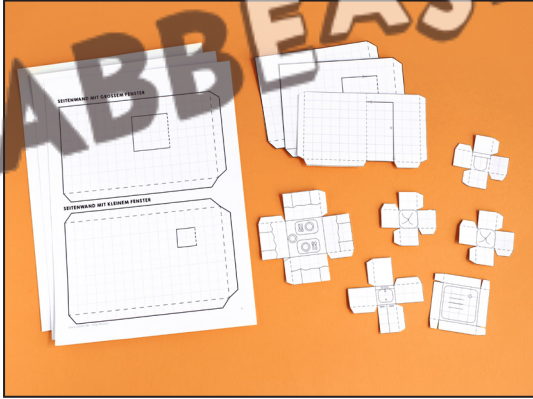
Now we construct, color, build, measure and calculate- a real geometry project... WOW!

Micha Labbé

HOW TO MAKE IT

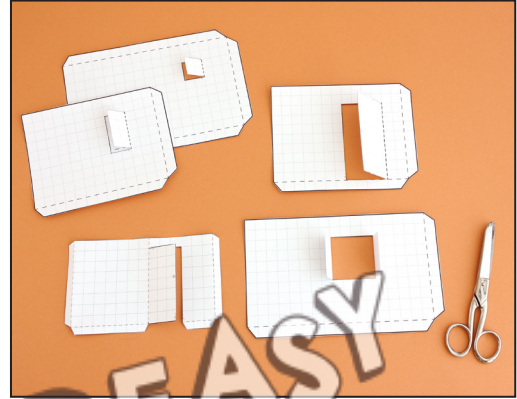
Tiny House

1



Print out the templates on white printing paper and neatly cut them out.

2



Carefully cut out the doors and windows. Fold along the dotted lines to create the gluing tabs.

3



Color and design the templates how you like with colored pencils. The checked areas of the walls and roof will eventually face inside the house.

4



Glue the walls of the house together and then glue them to the plot of land. Glue the roof to the wall with the small window. Glue all the furniture together.

5



Now you can decorate the house. Glue in the bathroom walls and the kitchen cabinets. The rest of the furniture can be placed inside and moved around as you like... WOW!

Next you can calculate the area and perimeter of the house and furniture and record your answers in the worksheet.

PLOT OF LAND / FLOOR SPACE

