

Name: _____

Date: _____

Chapter 1 Project

Dream Plans

Owning your own home has always been part of the American Dream. But how feasible is building that home? Using Pólya's problem-solving process, you will estimate the cost of building yourself a house. We will assume that you already own the land on which to build your house.

The house must meet the following parameters.

- Square footage: 1600 ft² to 2400 ft²
- Bedrooms: 2 to 4
- Bathrooms: 1 to 3
- Other required rooms: kitchen, dining area, living room

Step 1: Understand the Problem

Identify what is being asked of you for this project. Describe in your own words what you will be doing to complete this project.

Step 2: Develop a Plan

Do some research to establish what factors affect the cost of building a house. Describe your plan for estimating the cost.

Step 3: Carry Out the Plan

Write a final estimate for building your house. Include the dimensions and as much detail as possible.

Step 4: Look Back

What are your initial thoughts about the estimated cost of building your house?

How does the estimated cost of your house compare with the real estate market in your city or town?
What source did you use to make the comparison?

Name at least two ways that you could decrease the cost of building your house.

Name at least two factors that might cause the cost of building your house to be more than you estimated.

Name at least two things you learned in the process about building a house.

What would you change about your original house plans based on your findings?