

HANDOUTS: House Front Measurement (1 page)
Skill Builders: Calculating Area, Rounding, Technical Drawings

IN THE WORKPLACE: Calculations of area are often used to determine amounts of material required to cover surface of various shapes, such as paint or siding on a house. Accurate calculations minimize waste and save time and money.

1. Use the measurements and information given below to **calculate the total area** of the wooden slatted part of the house front – excluding the door and windows. Round your answer to the nearest whole number.

A: 9.7 m	B: 7.6 m	C: 8.8 m	D: 4.5 m
E: 2.3 m	F: 2.7 m	G: 1.2 m	H: 1.0 m

- All measurements are approximate.
- Assume all rectangular windows are the same size.
- The round window measurement is the diameter of the window.
- The measurement for the door includes the steps.
- Use 3.142 for π if you do not have your phone or scientific calculator.



This is the [Ruben M. Benjamin House](#) in Bloomington Illinois, listed on The United States National Register of Historic Places (Record Number: 376599).

Ref: Adapted by [skillsyouneed.com](https://www.skillsyouneed.com). From: A. McMurray (Photographer). (March 16, 2007). Ruben M. Benjamin House [Photograph]. https://commons.wikimedia.org/wiki/File:Bloomington_IL_Benjamin_House2.JPG (CC By-SA 3).