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| --- | --- | --- |
| Input | Process | Output |
| Yes Length of the room Width of the room Height of the room | Yes  Collect room dimensions (length, width, height)  Call function to compute square footage: Calculate floor and ceiling area: 2 x length x width  Calculate the area of the first two walls: 2 x length x height  Calculate the area of the other two walls: 2 x width x height Sum all areas to get the total square footage  Return total square footage  Calculate gallons of paint needed: gallons = square footage / 50 | Number of gallons needed to paint the room |