

Start



```
graph TD; Start([Start]) --> DisplayWidth[/Display Message  
"What is the room's width?"/]; DisplayWidth --> ReadWidth[/Read width/]; ReadWidth --> DisplayLength[/Display message  
"What is the rooms length?"/]; DisplayLength --> ReadLength[/Read length/]; ReadLength --> Multiply[/Multiply length  
by width.  
Store result in  
area/]; Multiply --> DisplayArea[/Display Area/]; DisplayArea --> Stop([Stop])
```

This flowchart illustrates the process of calculating the area of a room. It begins with a 'Start' terminal, followed by a sequence of steps: displaying a message to ask for the room's width, reading the width, displaying a message to ask for the room's length, reading the length, multiplying the length by the width and storing the result in a variable named 'area', displaying the final area, and finally reaching a 'Stop' terminal. The flow is indicated by downward-pointing arrows connecting each step.

Display Message
"What is the room's
width?"

Read width

Display message
"What is the rooms
length?"

Read length

Multiply length
by width.
Store result in
area

Display Area

Stop