**PROBLEM**: ACSL is in the process of putting decorative, padded, rectangular panels on the walls in its headquarters. Our interior designer has decided that all panels will be the same size and will be affixed according to the following algorithm:

Place the first panel at the left edge of the wall, with its vertical midpoint at the vertical midpoint of the wall. Continue placing panels to the right in the same row, until no more panels can fit. (That is, you cannot split a panel!) For example, if the wall is 4.25 meters wide and 6 meters high, the first row of 1-by-1 square-meter panels will consist of 8 panels, starting at 3.5 meters off the floor.

Next, add rows of panels above the initial row, offset each row horizontally to the right by 50% of the width of one panel from the start of the previous row. Continue until no more rows can be added. And finally, add rows below the initial row, offset each by 25% of the width of one panel from the start of the previous row. Continue until no more rows can be added.

Here’s what a 4.25-by-6 room would look like with panels that are 1-by-1:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

The wall is 4.25 x 6 = 25.5 square meters. The panels take up 17.0 square meters, leaving 8.5 square meters uncovered.

**INPUT:**  There will be 5 lines of input. Each line will contain four numbers representing the width and height of the wall, and then the width and height of the panel to use.

**OUTPUT**: For each input, print the number of square meters on the wall *not* covered by panels. Your answers must match our official answers to within one-tenth of a square meter.

|  |  |
| --- | --- |
| **SAMPLE INPUT:**   1. 4.25, 6, 1, 1 2. 8.6, 4, 1, 1 3. 16, 8, 0.25, 0.75 4. 4, 3, 3, 2 5. 7.8, 5.6, 0.5, 0.75 | **SAMPLE OUTPUT:**   1. 8.5 2. 10.4 3. 21.875 4. 6 5. 5.43 |

**TEST DATA**

***Answers are numbers, and must match the values below to within a tenth.***

|  |  |
| --- | --- |
| **TEST INPUT:**   1. 12, 10, 4, 3 2. 110, 104, 4, 12 3. 6.5, 8.1, 1.2, 1.6 4. 152, 93 , 8, 6 5. 7.9, 5.6, 0.5, 0.75 | **TEST OUTPUT:**   1. 36 2. 2512 3. 10.41 4. 1704 5. 5.615 |