## 1. Wedding Hall

Michaela and Ivan will have a wedding, they have found a party hall and want to know how many guests can gather in it. The room is **rectangular** and its dimensions **are read from the console**. There is a **square** **bar** in the hall from which the drinks are served during the ceremony. There is a **dance floor** in the middle of the hall, **which is 19% of the floor area**. The wedding agency tells them that one person needs about **3.2 square meters** to have enough space.

Write a program that calculates how many guests **will the hall gather**.  
The result obtained must be rounded to the **nearest integer number upwards.**

# Input

Three lines are read from the console:

1. **Hall length in meters – real number [10.00 … 100.00]**
2. **Hall width in meters – real number [10.00 … 100.00]**
3. **Bar side in meters – real number [2.00… 20.00]**

# Output

Print **one integer number** on the console - **the number of guests who can be invited to the wedding**, rounded to the **nearest integer up**.

**Examples**

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Hints** |
| 50  25  2 | 316 | Calculate the hall area in square meters: **50 \* 25** = **1250**  Bar area: **2 \* 2** = **4**  Dance floor area: **1250** \* **0.19** = **237.5**  Free space = **1250** - **4** - **237.5** = **1008.5**  Guests count = **1008.5 / 3.2** = **315.16 -> 316** |
| 70  20  4 | 350 | Calculate the hall area in square meters: **70 \* 20 = 1400**  Bar area: **4**\* **4** = **16**  Dance floor area: **1400** \* **0.19** = **266**  Free space = **1400** - **16** - **266 =** **1118**  Guests count = **1118 / 3.2** = **349.38 -> 350** |