

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 = $1008.5 / 3.2 = 315.16 \rightarrow 316$
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 = $1118 / 3.2 = 349.38 \rightarrow 350$