# "Programming Basics" Exam

## 2. Cat Walking

Sophie needs to walk her cat daily, but she can't figure out how many minutes a day are enough. Knowing how many calories the cat eats per day, how many times and for how many minutes Desi walks her cat, write a program that calculates whether the walk is enough. For every minute of the walk, the cat burns 5 calories. A walk is enough if the cat burns 50% of the calories it takes.

### Input

Read **3 lines** from the console:

* First line – minutes of walk per day – **an** **integer in the range [1...50]**
* Second line- count of daily walks – **an integer in the range [1…10]**
* Third line - the calories taken by the cat per day – **an** **integer in the range [100…4000]**

### Output

**Print 1 line** to the console:

* If the calories burned during the walk are more than or equal to 50% of the calories taken during the day:

"Yes, the walk for your cat is enough. Burned calories per day: {total calories burned from the walk }."

* If the calories burned during the walk are less than 50% of the calories taken during the day:

"No, the walk for your cat is not enough. Burned calories per day: {total calories burned from the walk }."

### Sample Input and Output

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Output** | **Comments** | |
| 30  3  600 | Yes, the walk for your cat is enough. Burned calories per day: 450. | The cat goes on a walk 3 times per day for 30 minutes=> total minutes per walk -> 30 \* 3 = 90 minutes  Total burned calories per day -> 90 \* 5 = 450  50 % of the taken calories are: 50% of 600 = 300  450 > 300 => the walk is enough | |
| **Input** | **Output** | **Input** | **Output** |
| 15  2  500 | No, the walk for your cat is not enough. Burned calories per day: 150. | 40  2  300 | Yes, the walk for your cat is enough. Burned calories per day: 400. |