# 5490. Minimum Number of Days to Eat N Oranges

ly Submissions (/contest/weekly-contest-202/problems/minimum-number-of-days-to-eat-n-oranges/submissions/)

ack to Contest (/contest/weekly-contest-202/)

There are n oranges in the kitchen and you decided to eat some of these oranges every day as follows:

- · Eat one orange.
- If the number of remaining oranges ( n ) is divisible by 2 then you can eat n/2 oranges.
- If the number of remaining oranges (n) is divisible by 3 then you can eat 2\*(n/3) oranges.

You can only choose one of the actions per day.

Return the minimum number of days to eat n oranges.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Hard

#### Example 1:

```
Input: n = 10
Output: 4
Explanation: You have 10 oranges.
Day 1: Eat 1 orange, 10 - 1 = 9.
Day 2: Eat 6 oranges, 9 - 2*(9/3) = 9 - 6 = 3. (Since 9 is divisible by 3)
Day 3: Eat 2 oranges, 3 - 2*(3/3) = 3 - 2 = 1.
Day 4: Eat the last orange 1 - 1 = 0.
You need at least 4 days to eat the 10 oranges.
```

## Example 2:

```
Input: n = 6
Output: 3
Explanation: You have 6 oranges.

Day 1: Eat 3 oranges, 6 - 6/2 = 6 - 3 = 3. (Since 6 is divisible by 2).

Day 2: Eat 2 oranges, 3 - 2*(3/3) = 3 - 2 = 1. (Since 3 is divisible by 3)

Day 3: Eat the last orange 1 - 1 = 0.

You need at least 3 days to eat the 6 oranges.
```

## Example 3:

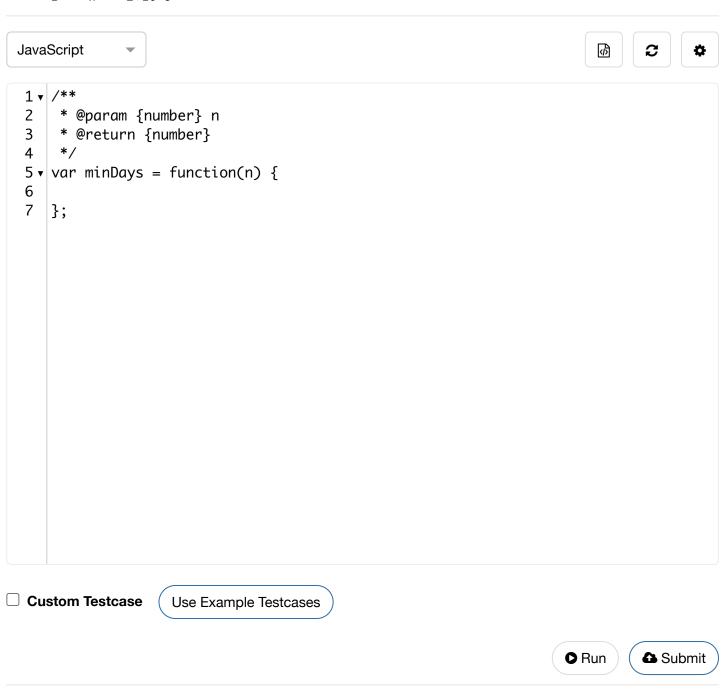
```
Input: n = 1
Output: 1
```

## Example 4:

```
Input: n = 56
Output: 6
```

#### **Constraints:**

• 1 <= n <= 2\*10^9



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