## 1676. Minimum Number of Days to Eat N Oranges

## Difficulty: Hard

Explanation: You have 10 oranges.

Day 3: Eat the last orange 1 - 1 = 0. You need at least 3 days to eat the 6 oranges.

https://leetcode.com/problems/minimum-number-of-days-to-eat-n-oranges

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.

Given the integer n, return the minimum number of days to eat n oranges.

## Example 1:

Input: n = 10
Output: 4

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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)
```

## **Constraints:**

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• 1 <= n <= 2 * 10<sup>9</sup>
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