

Ugly Number

An **ugly number** is a positive integer whose prime factors are limited to 2, 3, and 5.

Given an integer `n`, return `true` if `n` is an **ugly number**.

Example 1:

```
Input: n = 6
Output: true
Explanation: 6 = 2 × 3
```

Example 2:

```
Input: n = 1
Output: true
Explanation: 1 has no prime factors, therefore all of its prime factors are limited to 2, 3, and 5.
```

Example 3:

```
Input: n = 14
Output: false
Explanation: 14 is not ugly since it includes the prime factor 7.
```

Constraints:

- `2 ≤ n ≤ 231 - 1`

Solution :

C#

```
public class Solution {  
    public bool IsUgly(int n) {  
  
        if (n == 1)  
            return true;  
        if (n <= 0)  
            return false;  
  
        if (n % 2 == 0)  
            return IsUgly(n / 2);  
        if (n % 3 == 0)  
            return IsUgly(n / 3);  
        if (n % 5 == 0)  
            return IsUgly(n / 5);  
  
        return false;  
  
    }  
}
```