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:**

* -231 <= n <= 231 - 1