Problem of the Week
Problem D
Missing the Fives II

Bobbi lists the positive integers, in order, excluding all multiples of 5. Her resulting list is

$$1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 14, 16, 17, \ldots$$

If the nth integer in Bobbi's list is 2023, what is the value of n?