## Problem of the Week Problem C The Smallest Part

Suppose  $N = 2^2 \times 3^2 \times 5^2 \times k$ , where k is a positive integer. If N is divisible by 2025, then what is the smallest possible value for k?

$$N = 2^2 \times 3^2 \times 5^2 \times k$$

**THEME:** NUMBER SENSE