Problem of the Week
Problem D
Welcome to a New Year!

5^3 is a *power* with *base* 5 and *exponent* 3.

5^3 means $5 \times 5 \times 5$ and is equal to 125 when expressed as an integer.

When $8^{674} \times 5^{2025}$ is expressed as an integer, how many digits are in the product?

2025