



Problem of the Week

Problem E

Minimum Multiplier

The number 1867 is multiplied by a positive integer k . The last four digits of the product are 1992.

Determine the minimum value of k .

$$\begin{array}{r} 1\ 8\ 6\ 7 \\ \times ?\ ?\ ?\ ?\ ?\ ? \\ \hline .\ .\ .\ 1\ 9\ 9\ 2 \end{array}$$

