$\begin{array}{c} \textbf{Problem of the Week} \\ \textbf{Problem E} \\ \textbf{Sums with Multiples of Three} \end{array}$

The set $\{3, 6, 9, 12, 15, \ldots, 2022, 2025\}$ contains all of the multiples of three from 3 to 2025.

Three distinct numbers are chosen from the set to form a sum. How many different sums can be formed?

