



Problem of the Week

Problem E

A Productive Sum

When the four positive integers 1, 1, 2, and 4 are multiplied together, the result is 8 since $1 \times 1 \times 2 \times 4 = 8$. When they are added together, the result is also 8 since $1 + 1 + 2 + 4 = 8$.

We can also find a collection of n positive integers, with $n > 1$, that multiply to 2020 and add to 2020. Determine all possible values for n .

