



Problem of the Week Grade 11 and 12

Find the Number

Five different numbers, a, b, c, d , and e , are written in order smallest to largest such that $a < b < c < d < e$. When the numbers are added in pairs the following sums are obtained: 726, 756, 770, 781, 795, 816, 825, 830, 860 and 885.

Determine the sum of the five numbers and determine the value of the smallest number, a .

