

Puzzle of the Week

Product Equals Sum

THE CHALLENGE: Suppose you have five positive whole numbers, A, B, C, D, and E, so that the following is true. What is the largest possible value of any of these numbers?

$$A \times B \times C \times D \times E = A + B + C + D + E$$

EXPLORATION: What would happen if you had a different number of numbers in this kind of equation?