



## Problem of the Week Problem C

### Factors to Consider

Two different positive whole numbers,  $a$  and  $b$ , are both greater than 1. The second number,  $b$ , is larger than the first number. After the second number is increased by 1, it is multiplied by the first number. The resulting product is 260. This information can be represented by the equation  $a \times (b + 1) = 260$ .

Determine all possible pairs of numbers that satisfy the equation.

