



Problem of the Week

Problem C

This Product is a Mystery

The number $A8$ is a two-digit number with tens digit A and units (ones) digit 8. Similarly, $3B$ is a two-digit number with tens digit 3 and units digit B . When $A8$ is multiplied by $3B$, the result is the four-digit number $C730$. That is,

$$\begin{array}{r} A8 \\ \times 3B \\ \hline C730 \end{array}$$



If A , B , and C are each different digits from 0 to 9, determine the values of A , B , and C .