



Problem of the Week

Problem E

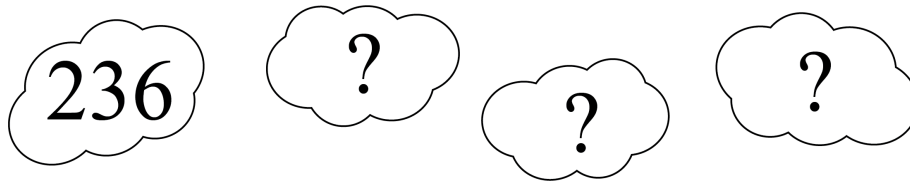
Four Numbers

Norbert has four favourite numbers. Each of these is a three-digit number ABC with the following two properties:

1. The digits A , B , and C are all different.
2. The product $A \times B \times C$ is equal to the two-digit number BC .

For example, one of Norbert's favourite numbers is 236, since $2 \times 3 \times 6 = 36$.

Find Norbert's other three favourite numbers.



NOTE: It may be helpful to recall that any two-digit number of the form BC can be represented by the sum $10B + C$. For example, $32 = 10(3) + 2$.