

Problem of the Week Problem A Adding and Subtracting

Follow the steps below.

Step 1: Pick two different three-digit numbers. Label the larger number A and the smaller number B.

Step 2: Subtract B from 999 and label the difference C.

Step 3: Add A and C and label the sum D.

Step 4: Subtract 1000 from D and label the difference E.

Step 5: Add 1 to E and label the sum F.

- (a) What is the connection between the number F and the numbers A and B?
- (b) Try the same steps with different numbers. Do you think you will always get the same result? Why or why not?











