Investigation
Pence and pounds reversed

1. Write a two-digit amount of money with two-decimal places.

2. Reverse the pounds and the pence to create a new amount.

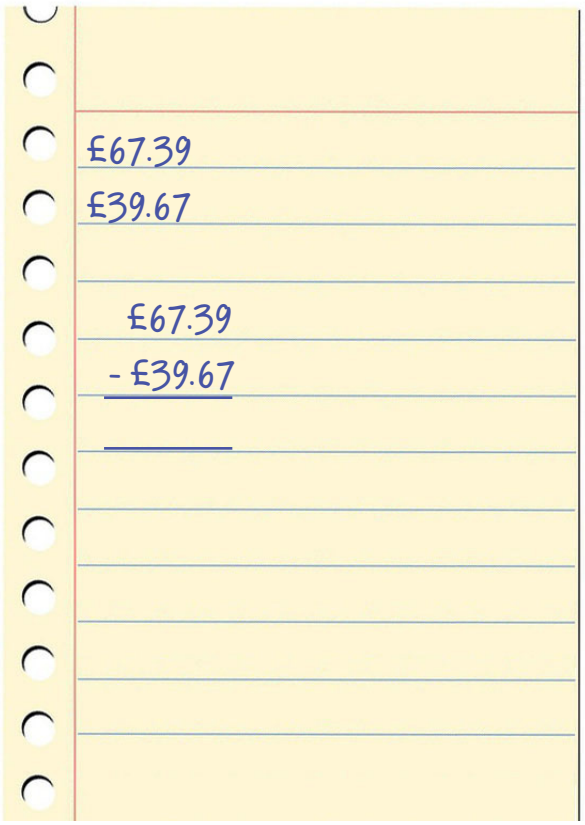
3. Find the difference between the two amounts.

4. Check the answer to see if it is a multiple of 9.

   HINT: To see if a number is a multiple of 9, add its digits to see if they total a number in the 9x table.

5. Write a new amount and repeat this process.

6. Do this at least ten times. Do you get some identical answers?



What patterns do you notice?
Can you explain them?
What happens if you try a palindromic amount?

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