



## Problem of the Week

### Problem C

#### We Took the Cookies

There is a cookie jar that contains a certain number of cookies. Three friends divide the cookies in the following way. First, Harold takes all of the cookies and places them into three equal piles with none left over. He then keeps one of the piles and puts the other two piles back into the jar. Next, Lucie takes the remaining cookies in the jar and places them into three equal piles with none left over. She then keeps one of the piles and puts the other two piles back into the jar. Finally, Livio takes the remaining cookies in the jar and places them into three equal piles, but there is one cookie left over. He then keeps the leftover cookie and one of the piles and puts the other two piles back into the jar.

If there are now 10 cookies in the jar, how many cookies were originally in the cookie jar?

