

Challenge Problem 3

An Army of Ants: An army of ants is marching across the kitchen floor. If they form columns with 10 ants in each column, then there are 6 ants left over. If they form columns with 7, 11, or 13 ants in each column, then there are two ants left over. What is the smallest number of ants that could be in this army?



Justify your answer. Solve this problem and email your solution by Oct. 26th 2022 to Dr. Elliott Hollifield to win a special prize! elliott.hollifield@uncp.edu