

PROBLEM 7 (10 points possible)

McDonald's sells Chicken McNuggets in packages of 6, 9 or 20 McNuggets. Thus, it is possible, for example, to buy exactly 15 McNuggets (with one package of 6 and a second package of 9), but it is not possible to buy exactly 16 McNuggets, since no non-negative integer combination of 6's, 9's and 20's add up to 16. To determine if it is possible to buy exactly n McNuggets, one has to find non-negative integer (can be 0) values of a , b , and c such that

$$6a + 9b + 20c = n$$

Write a function, called `McNuggets` that takes one argument, `n`, and returns True if it is possible to buy a combination of 6, 9 and 20 pack units such that the total number McNuggets equals `n`, and otherwise returns False. Hint: use a guess and check approach.

Note: You will only get **ten** checks. Use these judiciously.