5B: Kakuro Game

The Kakuro Game looks like a crossword puzzle except the clues are sums and the entries in the squares are integers. Part of finding a solution involves finding a set of a given number of positive integers that sum to a given value.

You task is given a sum, find a set of three different integers that could add up to the sum. Although Kakuro is restricted to single digits, in this problem any one or two digit integer is acceptable.

Example:

Enter sum: 15
Possible set: \{6,1,8\}

Enter sum: 5
Possible set: error – sum too small

Enter sum: 294
Possible set: 97, 98, 99