Original thought process-

Steps:

Ask user for number 1

Take that number and store in int variable named num1

Ask user for number 2

Take that number and store in another int variable named num2

Add these integers together and store in int variable named sum

Run while loop that will separate the sum of the 2 numbers and add the last digit back to the sum until you end up with a 1 digit number

Test data: 22, 55

// integer 1 to contain first number from user

Int num1;

// integer 2 to contain second number from user

Int num2;

//integer that will contain sum of the 2 user numbers

Int sum;

//statement to ask user for input 1

Console.WriteLine(“Enter num1”);

// set num1 integer to the first user inputted number

Num1 = Console.ReadLine();

//statement to ask user for input 2

Console.WriteLine(“Enter num2”);

//set num2 integer to the second user inputted number

Num2 = Console.ReadLine();

// set sum variable to sum of the 2 user inputted numbers

Sum = num1 + num2

//while loop to run through process of adding the last digit back to sum until it is a one-digit number

While sum >= -9 & sum <= 9)

Separateddigits = sum % 10

Sum = sum + separateddigits

//output the final value

Console.WriteLine(sum);