Pseudocode problem 2

Print “Enter two numbers”

Get num1, num2.

If num1 < num2 then:

While num1 is <= to num2, add the sum of of num1, prrint num1, and add one to num1 (++num)

And continue the loop until num1 is equal to num2.

If num2 is < num1 then:

While num2 <= to num1, add the sum of num2, print num2, and add one to to num2 (++num2)

And continue the loop until num2 is eqaul to num1.

Then print “sum of values from “ 🡨 num1 “through “ 🡨 num2 “is “ 🡨 sum.

End

Pseudocode problem 3

Start a do while loop

Print math tutor menu offering 4 selections, 1-4, adding, subtracting, mutiplying, and exit.

Get their choice (1-4)

If user’s choice is 1

Print two random numbers (between 1-500), SUM = ran1+ran2, ask addition problem.

recieve user’s answer.

If right (sum==answer) print message “Correct! Good Job!”

Else print message “sorry the correct answer is “ 🡨 sum

End if

If users choice is 2

Print two random numbers: ran1, ran2 (between 1-499, and 1-100),

DIFFERENCE= ran1+ran2, ask subtraction problem,

recieve user’s answer.

If right (difference ==answer) print message “Correct! Good Job!”

Else print message “sorry the correct answer is “ 🡨 difference

End if

If user’s choice is 3

Print two random numbers: ran1, ran2 (between 1-00, and 1-9),

Product = ran1+ran2, ask multiplication problem,

recieve user’s answer.

If right (product ==answer) print message “Correct! Good Job!”

Else print message “sorry the correct answer is “ 🡨 product

End if

If user’s choice is 4

Print “Thanks for using math tutor!”

End program (return 0)

End if

Open a while loop: if users choice is greater than 4, or less than 1

Print message “The valid choices are 1-4, Please choose again”

Get choice

Close while loop

Close do while loop

Returns the user back to the menu, unless they press “4” and exits the program.

End Program.