Part A

//while loop

Create a count variable and set it 1.

Create a while loop with the condition of n not equals to 1

if n is even ( use mod ) e.g (n%2 == 0)

set n to n divide 2

else (odd)

set n to n \* 3 + 1

increment count

return count

or

//recursion

if n is 1

return 1

else

if n is even then

return 1 + calling itself with n/2

else

return 1 + calling itselft with 3\*n + 1

Part B

Get the length by calling hailstoneLength

return true if is greater than n and false otherwise

Part C

create a count variable

use a loop that goes from 1 to n

call isLongSeq passing in each number of the loop

if the result is true, increase your count variable

return the count variable divided by n. (Don't forget to cast to double before you divide)