

THE CHIMP AND BANANAS PROBLEM

A chimp sitting in a space ship moving at $.8c$ eats one banana every five seconds as measured by a Rolex on the chimp's wrist (it is a very rich chimp).

An observer in a stationary space ship uses his set of synchronized clocks and a "chimp banana-eating counter" to measure the chimp's banana consumption as the chimp's ship passes by.

If the observer watches for 15 seconds as measured by his clocks, how many bananas will the chimp eat in that period?