Painter Partition Problem: k fainters are hired to paint k units
of Space, on gainters stark at the same time, a should wait until
every worker has finished their work.

Your task is to find a divide the tooks such that the waiting

2007 = [3 5 4 2 1 2 3 8 6 2 7 3 1 1]]

Reson-1 Reson-2 Person-3 P-4 P-5

time is minimum.

time taken for Person-1 = 3+s+4+2=14 units of time

Person-2 = 1+2+3=6 units of time

Person-4 = 3+11 = 14 units of time

Person-4 = 11 = 11 units of time

Because an of other workers should work until every worker finished their job, we need to consider mox-time taken out of each person's work.

= max(14, 6,23, 14,11) = 23

Divide the task sligh that the above time is minimum

## arr=12842113897]

Lets say there are 4 workers assigned to do this fieb,

what is the time unit that we connot reduce further?

The highest unit number in the array is the time we cannot reduce further, It means even if there is a worker for every single time unit, others have to wait for that max unit to be finished.

arr = [2842113897]
meximum sime unit

Now, what is the total or highest amount of units where beyond that there is no time exist?

that is total number of time unit present

there, for instance if we gave the whole task

for a single person, he she should be au the

work in that total amount of time units:

arr = 1,2842113897]

sum= 2+8+4+2+11+3+8+9+7=19+11+16+7=53 units

Linear search  (1) start with min unit sime and look how.				
	meny	MONEYS	can f	Fit, if it is more, increase
		the t	ime unij1	1 are norses can Fit (3).
time (an	s) #	f marketz		number of workers = 3;
11		. 5.		[2849 11 38 97]
12	•	٤.	• •	[2849] [1 3 8 9 7]
13		5		[2842113897]
14		4 .		[2849113897]
15		· <b>4</b> ·		[2842113897]
16		4		[2842113897]
17		4		[2842]113897]
22	 	3		[2842]113897]
	•			

Time complexity = O (ans # N)

For every answer, check

How key correct or not.

