Thanks for your interest in joining our team!

We have designed the following challenge to test your problem-solving and coding skills.

Kaweb Developer challenge

Wally's Widget Company is a widget wholesaler. They sell widgets in a variety of pack sizes:

- 250 widgets
- 500 widgets
- 1,000 widgets
- 2,000 widgets
- 5,000 widgets

Their customers can order any number of widgets, but they will always be given complete packs.

The company wants to be able to fulfil all orders according to the following rules:

1. Only whole packs can be sent. Packs cannot be broken open.

2. Within the constraints of Rule 1 above, send out no more widgets than necessary to fulfil the order.

3. Within the constraints of Rules 1 & 2 above, send out as few packs as possible to fulfil each order.

So, for example:

Number of Widgets ordered	**Correct packs to send**	**Incorrect solution(s)**
1	250 x 1	500 x 1 (too many widgets)
250	250 x 1	500 x 1 (too many widgets)
251	500 x 1	**250 x 2 (too many packs)** >>pay attention to this one – many people get this wrong!<<
501	500 x 1 250 x 1	1,000 x 1 (too many widgets) 250 x 3 (too many packs)
12,001	5,000 x 2 2,000 x 1 250 x 1	5,000 x 3 (too many widgets)

Write a program that will tell Wally's Widgets what packs to send out, for any given order size. Keep your program flexible, so that new packs sizes may be added, or existing pack sizes changed or discarded, at a later date with minimal adjustments to your program.

Please use Laravel 8 and any supporting js/css technologies to complete your task.

Please send us your code (either on GitHub, or send files to paul@kaweb.co.uk), and deploy your solution to an online environment that we can access via the web.

Also - please advise us as to how long you took to complete the challenge.