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# COVID-19 vaccine calculations: answers

Janice Davies

## QUESTION 1

One box of Pfizer vaccine contains 195 vials. Each vial produces six vaccine doses after reconstitution. How many vaccine doses can be administered from one box of Pfizer vaccines?

■ 1170

## QUESTION 2

The Pfizer vaccine has a 5 day expiry date once it is removed from the deep freezer. Therefore, clinics at the PCN site are typically held for the 3 days following receipt of the vaccine. How many patients should be booked in each day?

■ 390

## QUESTION 3

How many vials need to be prepared each day?

■ 65 vials

## QUESTION 4

It is one hour before the clinic closes and there are still 30 patients due in. How many vials need to be prepared for these patients?

■ 5 vials

## QUESTION 5

If there are three vaccinators doing home visits in one morning and they take one 10-dose vial each, how many patients should be:

- a) Given an appointment?
- b) On the reserve list?

■ a) 30  
■ b) 3



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