

# Number Nest Weekly Challenge

December brings a time when many people feel generous and send care packages to others. Suppose that one community of 35 000 people in Scotland handed out 1400 care packages to families within that community in 2019.



a) If the mass of a care package for one family is 13 kg, what is the total mass of all the family care packages distributed in 2019?

b) If an average household has 4 people in it, how many households are in this community?

c) What percentage of households in this community received a family care package in 2019? Assume that no household receives more than one care package.

**Hint: start by finding the fraction of households!**

d) If the community had a population of one million, how many care packages might you predict the community would hand out to families within that community?



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