Dr Bennison Maths Christmas Day Maths Task 2025

For me it wouldn't be Christmas without a tub of Quality Street - though I admit I'm not a fan of these non shiny wrappers…

The question today is:

Can you predict the total number of sweets and the distribution of sweets in this tub (one of the new fangled cardboard ones) from seeing the top layer in the photo below, given that it is well mixed?

The Quality Street aficionados will notice that this tub isn't a standard tub mix as it contains at least one of the limited edition sweets only available in pouches in Waitrose and the Pick and Mix stations in John Lewis this year so it won't be just the distribution of a tub. I will say that it comprises almost a tub (550g) and a pouch combined and then well mixed.

I'd love to see your mathematical thinking on this :)

I'm looking for an estimate of the total number of chocolates and the relative percentage of each type.

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