



Raspberry Pi

Activity 2: Charity donation and profit

Charity donation

I'm a Celebrity 2019 donated 15p from every vote to the Make A Wish charity. Of course, *Rock Star Challenge* wants to do the same. For every vote RSC will donate 15p to charity.

- Cell K4 – enter an amount per vote to donate
- Cell L8 – enter a formula to calculate the amount donated to charity from telephone votes. The rule here is *add up the total number of telephone votes then multiply this by the amount to be donated*. There are two ways to do this: either `=SUM(D9:D18)*0.15` or, better, `=SUM(D9:D18)*K4`

By using a cell reference here instead of an amount, if we change the amount of the charitable donation the formula will recalculate automatically.

- Cell L9 – use a similar formula to calculate the donation amount from text votes
- Cell L10 – add cells L8 and L9

Calculate the profit

Now that we know how much will be donated to charity we can calculate how much profit RSC will make.

The rule for profit is generally *income minus expenses* or, in this case, *income minus donation*.

- Cell L13 – enter a formula to calculate profit. First we need to add together the two incomes from voting, then subtract the donation amount: `=(E19+I19)-L10`
- Remember that 15p should be entered as 0.15 in cell K4

Resources are updated regularly – the latest version is available at: ncce.io/tcc.

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