Diluting DNA to be Sequenced

1. You need to deliver 320 ng of plasmid DNA into the sequencing tube (yellow cap).
2. Calculate what volume of miniprep is required to deliver 320 ng. You will need to know your Nanodrop data for each of your 4 clones. For example, if your DNA is 320 ng/µL, then you need 1.00 µL in the sequencing tube. If your DNA is 160 ng/µL, then you need to 2.00 µL in the sequencing tube.
3. You need to add enough water to the sequencing tube so that the final volume of DNA + water is exactly 8.00 µL. Calculate the volume of water you need to add to each of your four sequencing tubes given how much DNA was added.

Bonus observation: visually correlate RFP production to the amount of plasmid DNA for each of the 4 v2 promoters. What correlation do you see?