

There will be two parts to this summer task, both of which will need to be brought with you to your first lesson. The first task will require you to “do” something and represent your work in a presentable manner. The second task will require you to take part in a class discussion about the concept, some prompting questions have been included.

## **Part One – Statistics to represent the world around you.**

In the book "If the World Were a Village", David J Smith and Shelagh Armstrong imagine the world as a village of 100 people and show various world statistics in terms of the number of villagers. You can watch a short animation based on the book at <http://youtu.be/FtYjUv2x65g>.

### **Can you represent Jersey (or a country of your choice) in a similar way?**

You could use the village of 100 people idea, or perhaps "If my country was a class of thirty students"...

You may get ideas for groupings from the book or come up with your own.

Alternatively, if you want to work with worldwide statistics, you could come up with some extra pages for the original book.

### **Once you have researched statistics for your country how can you present them?**

Stan's Cafe Theatre Company represented each person in the world as a single grain of rice and then arranged them in heaps to help people compare different groups. You can watch a short video of the process at <http://youtu.be/iDWcuBygAUw>.

The Time You Have represented the time we have at our disposal in jellybeans (video at [http://www.youtube.com/watch?v=BOksW\\_NabEk](http://www.youtube.com/watch?v=BOksW_NabEk)). Can you come up with innovative ways of presenting the statistics you found for your country?

## **Part Two – Statistics for making hypothesis about the world around you.**

Read the article <https://nrich.maths.org/articles/understanding-hypotheses>.

What is the article about?

What did you take away from the article?

Where might these ideas fit in a Statistics?