

## *Just how plump are the koalas?*

### *The Reality.*

In a koala population there are about 1000 female koalas. The population has been suffering hard times of late (drought and shortage of food).

A Parks and Wildlife Officer is given the task of developing a good description for how the weight of the female koalas presently varies.

### *Our simulation of this reality.*

You are provided with some *paper* koalas. Each koala has a labelled weight. Your task is to do the following:



*Southern koala*

*Northern koala*

Choose 5 random samples of size 15 from your population. Once you have a sample of 15, return the koalas and choose again.

Record your data in the form of a dot plot on the axes provided. Make the dots nice and large so they are easily seen.

Once you have all samples displayed, do the following:

- 1) What do you notice about the samples? Did they turn out as you expected?
- 2) Make a summary of each sample so you can quickly, but accurately describe to others, without the dot plots, the characteristics of each sample.
- 3) What do you think these samples tell you about the population?
- 4) Wait for your teacher to weave their magic as they pool your class's samples.

*Room for some notes.*