Year 6 · Statistics: Making Sense of Data

Name: _____ Date: _____

Hi! This sheet helps you find the mean (average) and the range of number data, and read time-series data collected over days. Take your time and show your working.

Warm-up

1. Find the mean of these numbers: 4, 6, 8.

2. Find the range of these numbers: 3, 9, 5, 2.

3. Find the mean of these test scores: 10, 20, 30, 40.

4. Find the range of these temperatures (°C): 18, 22, 15, 20.

Practice

5. Aria measured the mass of a bag of carrots each day for 5 days: 1000 g, 990 g, 985 g, 975 g, 970 g. What is the range of the masses?

6. Using Aria's carrot masses (1000, 990, 985, 975, 970 g), find the mean mass over the 5 days.

7. The Avondale Markets recorded rainfall (mm) for one week: 2, 0, 5, 8, 3, 6, 4. Find the mean daily rainfall.

8. Using the same rainfall data (2, 0, 5, 8, 3, 6, 4), find the range.

9. Tane counted the number of buses passing his house each morning for 5 days: 6, 8, 7, 5, 9. What is the mean number of buses per day?

10. Mere saved money over 4 weeks: $12, $15, $9, $16. Find both the mean weekly saving and the range.

Challenge

11. Over 5 days the temperature at Cornwall Park was recorded: 16°C, 18°C, 17°C, 19°C, and one missing day. The mean over the 5 days was 18°C. What was the missing temperature?

12. A shop weighed a kilogram of bananas each day for 6 days: 1000 g, 995 g, 985 g, 980 g, 975 g, 965 g. Find the mean and the range, then explain what the numbers tell you about the bananas over time.