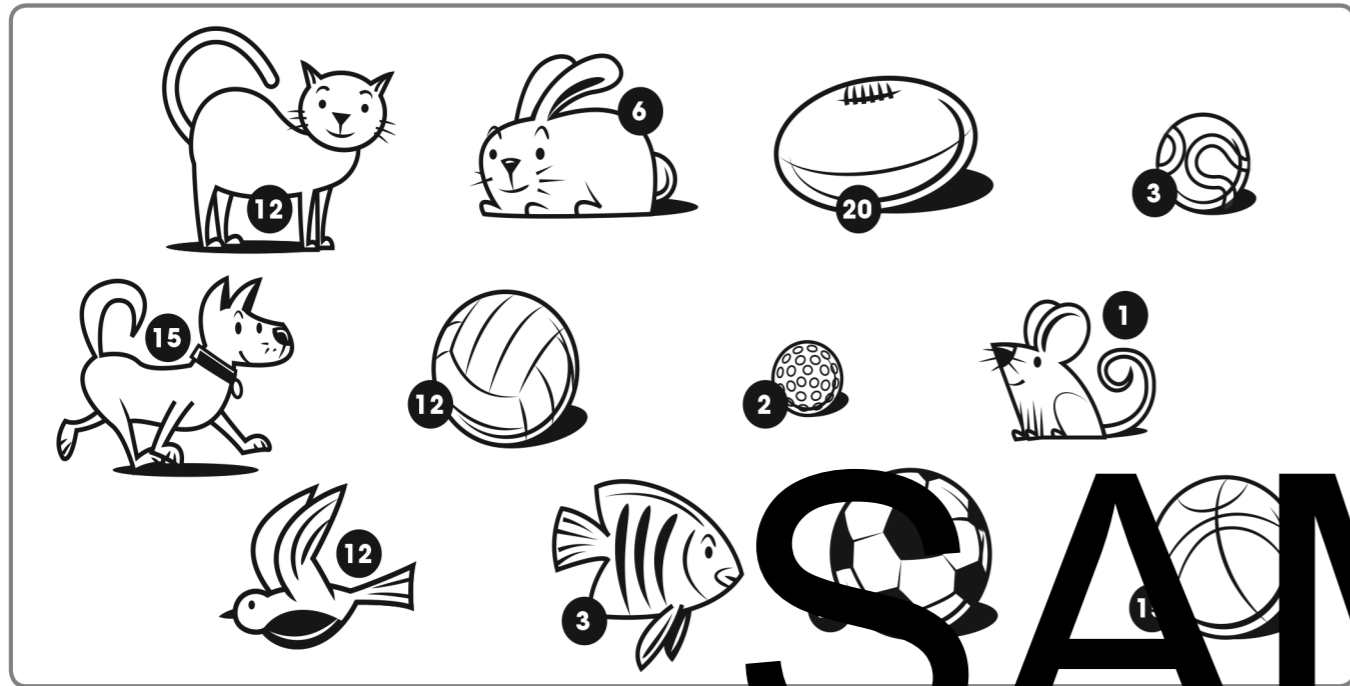# NELSON MATHS

VICTORIAN CURRICULUM

4

Student Book

Pauline Rogers

Daisy's Data

Poor Daisy dropped all of the data that she collected. Can you help her organise it into the two different surveys she was conducting, using the table below? One was on animals and the other was on sport. You may organise the data any way you like. Hint: the numbers show how many of each item.

SAMPLE

1 Daisy's data:

What is your favourite animal?	What is your least favourite sport?

2 What were two interesting things about each of Daisy's surveys?

_____

Venn Diagrams and 2-Way Tables

1 Place the data into the 2-way table.

- Toby has a bike and a scooter.
- Eliza doesn't have a scooter but has a bike.
- Connor has a bike but not a scooter.
- Grace doesn't have a bike or a scooter.
- Alex has a bike and a scooter.
- Gemma has a scooter but not a bike.

- Drew has a bike but not a scooter.
- Arthur has both.
- Lily has neither a bike nor a scooter.
- Justin has a bike and scooter.
- Dolores hasn't got a bike or a scooter.
- Damon has a bike and a scooter.

	Has a bike	Doesn't have a bike
Has a scooter		
Doesn't have a scooter		

2 Transfer this information into the Venn diagram.

3 Write an interesting fact from the above data.

_____

_____

4 Here is a different Venn diagram.

a How many players are shown? _____

b How many players prefer serving? _____

c How many players like serving and smashing? _____

Serving *Volleying* *Smashing*
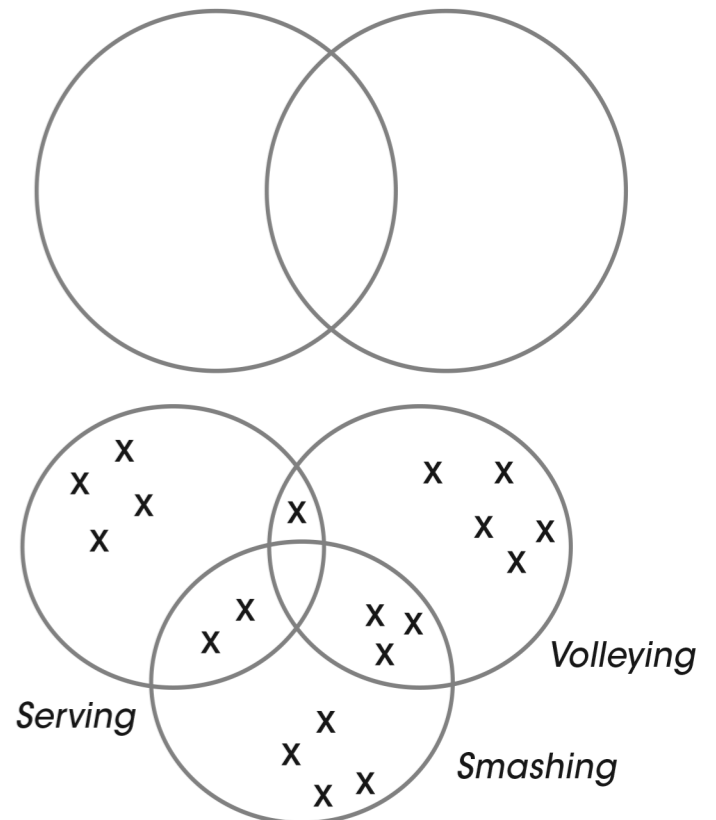
Our Question: My Report

1 Record your question here.

_____

_____

2 What have you learned about the question so far?

_____

_____

_____

3 How did your group decide to present the information?

_____

_____

_____

4 How was that decision made?

_____

_____

5 Did you discuss any other ideas?

_____

_____

6 How did your group work together?

_____

_____

7 What might you do differently, if you had to complete the same task again?

_____

_____

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1 Look at the Venn diagram. Write 3 statements that can be observed from the information.

brother   sister

_____

_____

_____
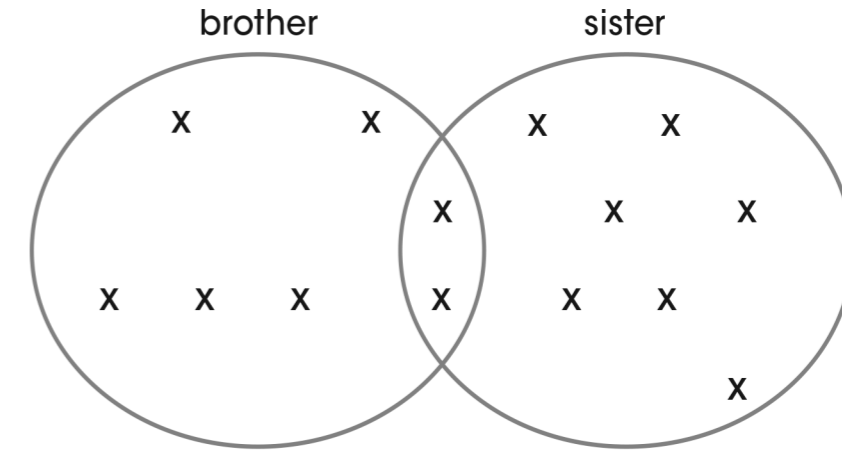
2 Look at the 2-way table. Write 3 statements that can be observed from the information.

	Has a dog	Doesn't have a dog
Has a cat	x x x x x	x x x
Doesn't have a cat	x x	x x x x x x x

_____

_____

_____

3 a Write a survey question that could be used to ask people about their favourite eating location.

_____

b Collect the data by asking 5 different people your question.

Extension: On a sheet of paper, create a table, a Venn diagram or a 2-way table of your data.