



RICH MATHEMATICAL TASK BOOKLET

STATISTICS

YEAR 2

Task Copy Masters

Phase 1: Year 2: Statistics

Task 1

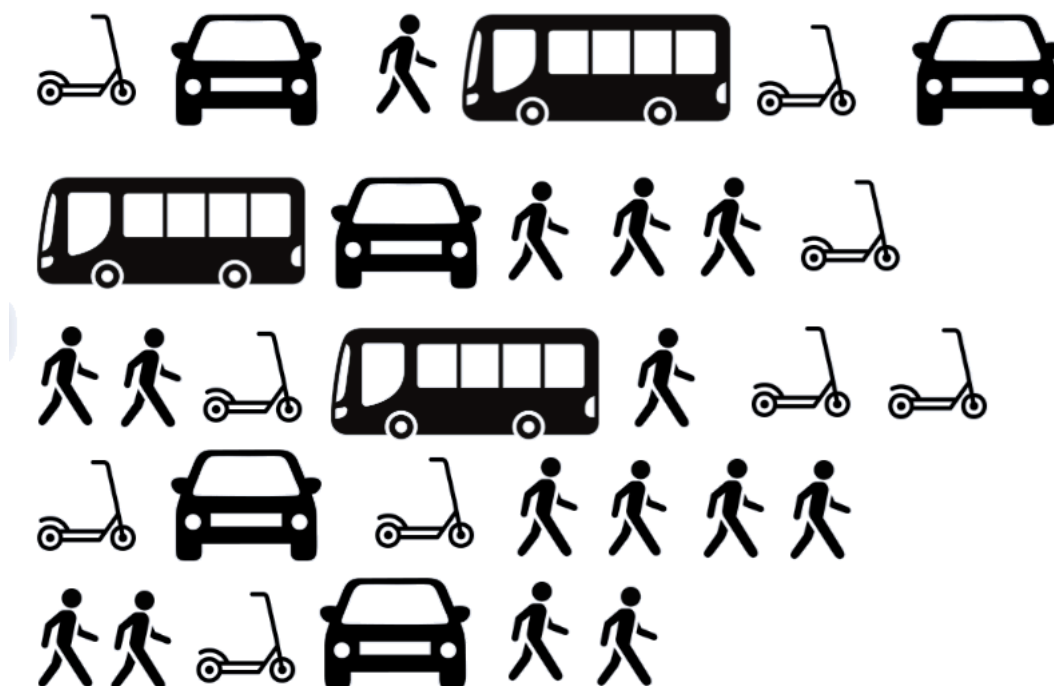
What pets do the children in this class have?

Represent what you have found.

Phase 1: Year 2: Statistics

Task 1 (independent)

This is how children in Room 12 get to school.



How many children get to school in each way?

Represent what you have found using two different recordings.

Phase 1: Year 2: Statistics

Task 2

A new playground is being built at the park. The designers would like to know what equipment they should include.

What is the favourite playground equipment for students in this class?

How can you collect data to answer this question?

Record your results to present to the class.

Can you represent this in different ways?

*Phase 1: Year 2: Statistics***Task 2 (independent)**

Hamuera and Miriama are interested in the games that their families enjoyed playing when they were children. These are the responses that they collect:

Poi	Whai	Poi	Rugby	Te Rākau	
	Te Rākau	Poi	Rugby	Poi	Rugby
Whai	Rugby	Poi	Whai	Poi	Poi
	Rugby	Te Rākau	Rugby	Whai	
Rugby	Poi	Rugby	Poi	Whai	Poi

Represent what you have found using two different recordings.
What statements can you make about games that the family enjoyed playing?

Phase 1: Year 2: Statistics

Task 3

What do the children in this class have for morning tea today?

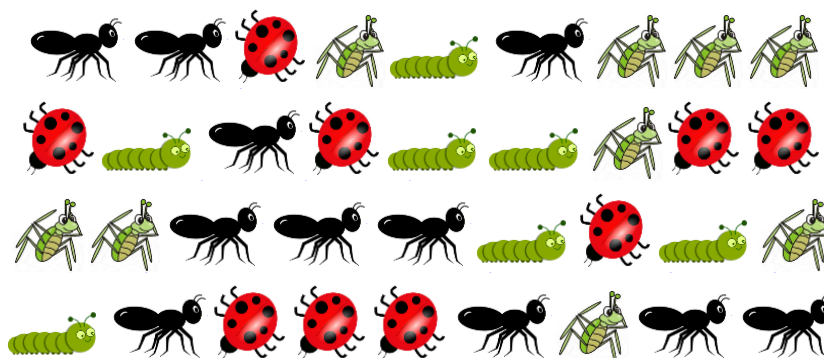
Record your results in a table.

Can you represent this in different ways?

Phase 1: Year 2: Statistics

Task 3 (independent)

Lydia wanted to see how many different insects were in her garden.
This is what she saw:



Complete the table:

Ladybug	
Cicada	
Caterpillar	
Ant	

Draw a representation to show this data.

Phase 1: Year 2: Statistics

Task 4




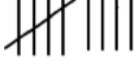


Draw a picture graph that shows the data of the food for morning tea.

Draw another picture graph that only uses one symbol.

What statements make you make about that data?

*Phase 1: Year 2: Statistics***Task 4 (independent)**

The chart below shows the sports that students in Room Two play.

Soccer	
Netball	
Kilikiti	
Basketball	
Rugby	
Softball	

Draw two representations that shows the sports that students in Room Two play.

What statements can you make about the sports that students in Room Two play?

Phase 1: Year 2: Statistics

Task 5

What questions could you ask about helping around the home?

How will you collect your data?

Develop at least two representations that show clearly the data you have collected.

What statements can you make about the data?

*Phase 1: Year 2: Statistics***Task 5 (independent)**






Record the different sets on the table using tally marks and numbers.

Types of objects	Tally	Number

Make a representation to show the data as clearly as possible.

*Phase 1: Year 2: Statistics***Task 6**

Martha was planning a healthy dessert and asked her family what their favourite fruits were in fruit salad. She made a pictograph to represent the responses.

Apple	
Banana	
Plum	
Orange	
Pear	

Ria looked at the pictograph and said that it shows that plum and banana are the favourite fruits for a fruit salad because the column showing these is the longest.

Do you agree or disagree with Ria's statement?

What advice would you give to Martha to help her make her representation clearer?

Can you make a representation of what Martha found out that clearly shows her family's favourite fruit for a fruit salad?

Make statements about what Martha found out.

Phase 1: Year 2: Statistics

Task 6 (independent)



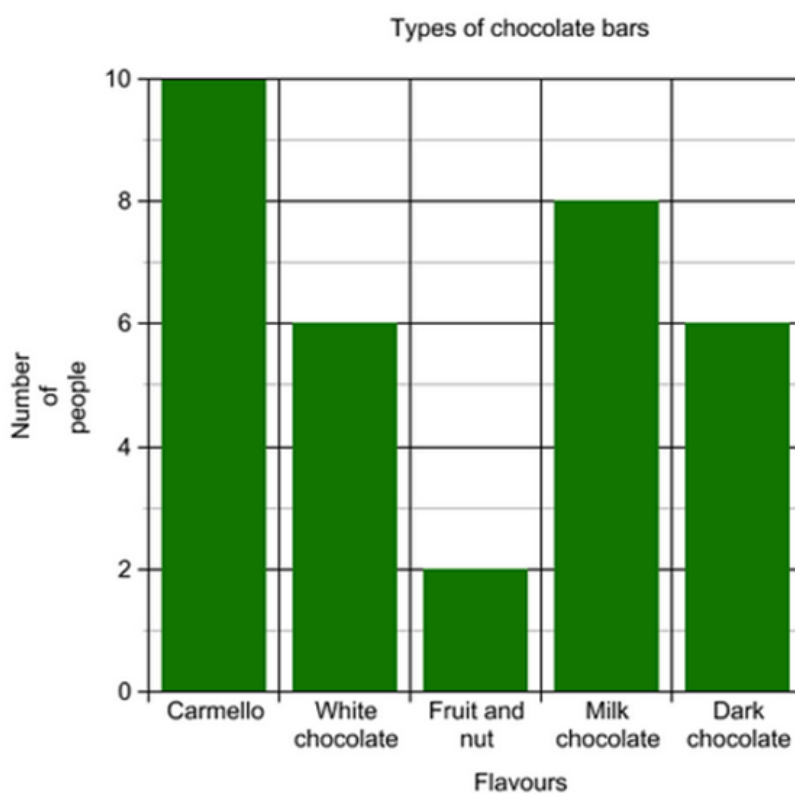
What do you notice about Imani's collection of soft toys?

Can you show her collection using at least two different representations?

Make statements about Imani's soft toy collection.

*Phase 1: Year 2: Statistics***Task 7**

Central Soccer team is running a fundraiser to go to a tournament. They will be selling chocolate bars and need to know the most popular flavours to order. They did a survey of their team and family and found these results.

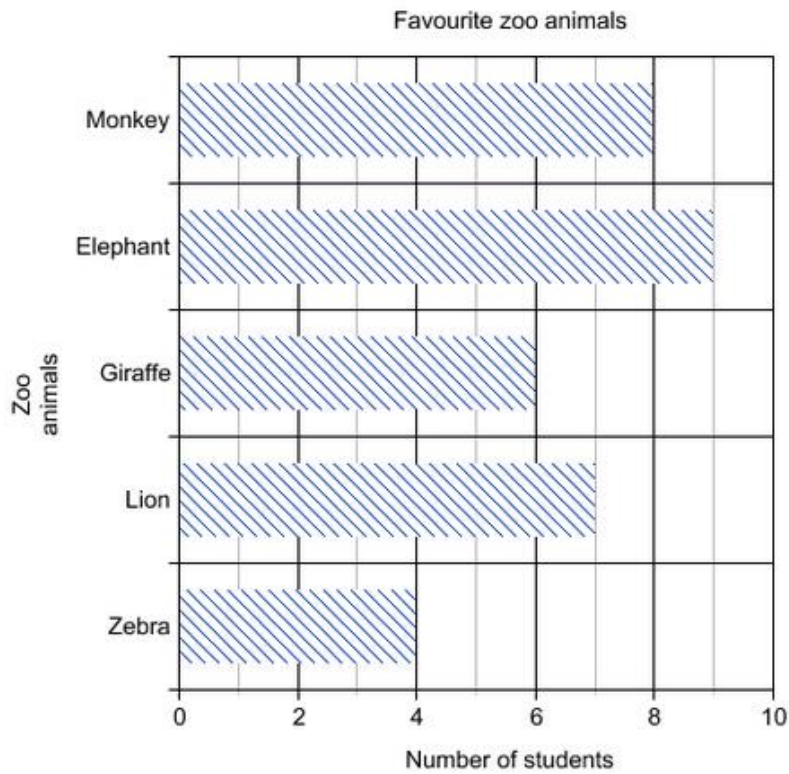


Make statements using 'I notice' about the data showing favourite chocolate bar flavours.

Make statements using 'I wonder' about the data showing favourite chocolate bar flavours.

*Phase 1: Year 2: Statistics***Task 7 (independent)**

These are the favourite zoo animals of one class of children:



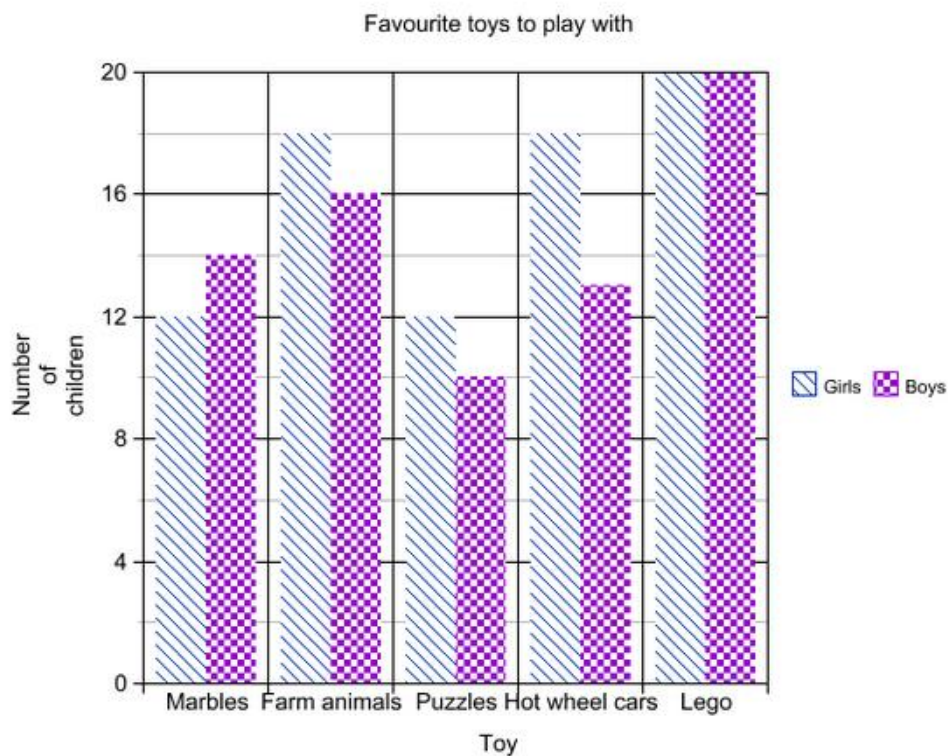
Make “I notice” and “I wonder” statements about the data about pets.

Check the statements that a classmate has made and see whether you agree or disagree and give a reason why.

Phase 1: Year 2: Statistics

Task 8

The Toy Library wants to order some more toys for children to borrow. They took a survey to find out about the favourite toys for girls and boys. This is what they found out:



Make statements using 'I notice' about the data showing favourite toys.

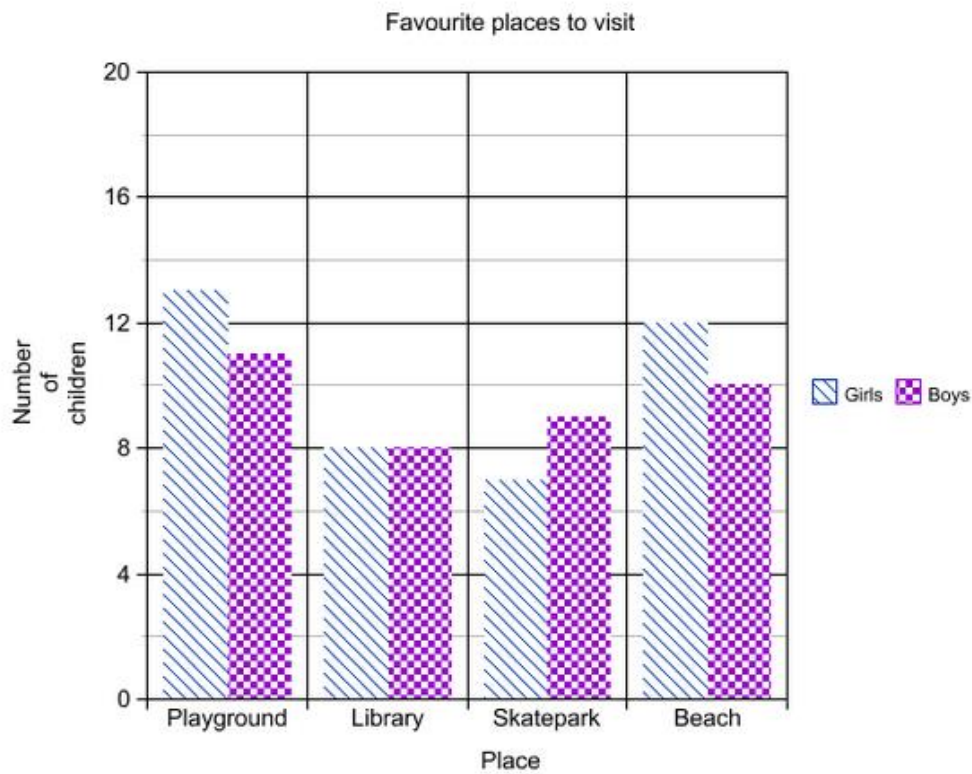
Make statements using 'I wonder' about the data showing favourite toys.

What would you tell the Toy Library to buy?

Phase 1: Year 2: Statistics

Task 8 (independent)

These are the favourite places to visit of one class of children:



Make “I notice” and “I wonder” statements about the data about favourite places to visit.

Check the statements that a classmate has made and see whether you agree or disagree and give a reason why.

*Phase 1: Year 2: Statistics***Task 9**

Natalia is planning her birthday party and she would like to know what food to give her guests.

Group the data cards so you can see what are the most popular to least popular types of food.

Make at least two different representations to show what you have found out.

What statements can you make about the data?

What food should Natalia buy and prepare?

*Phase 1: Year 2: Statistics***Task 9 (independent)**

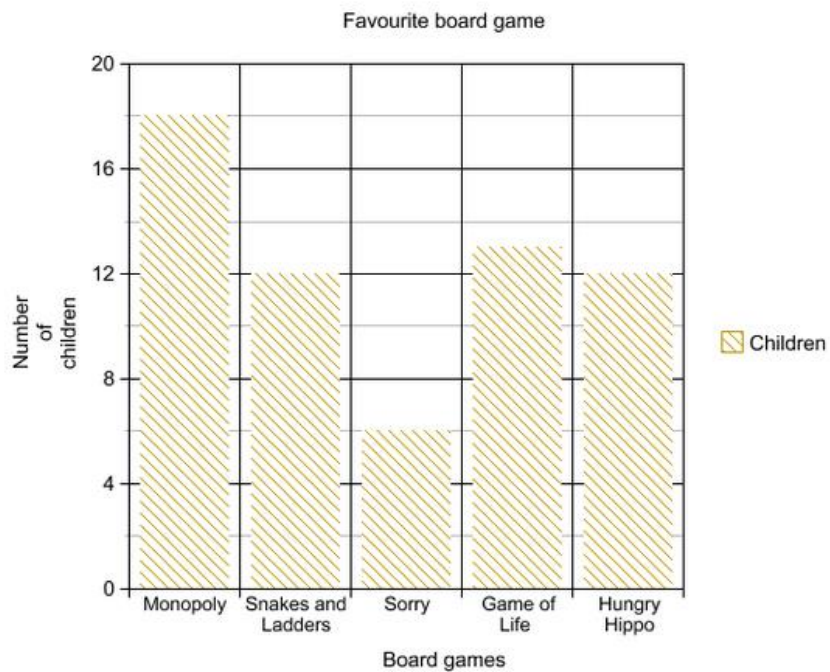
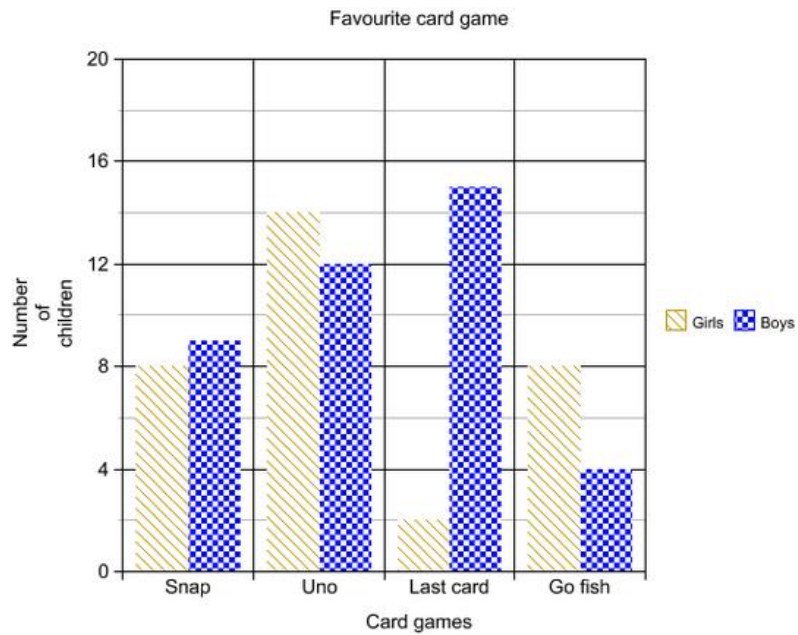
Make “I notice” and “I wonder” statements about the data on the graphs.

Check the statements that a classmate has made and see whether you agree or disagree and give a reason why.

Phase 1: Year 2: Statistics

Task 10

Look at the graphs below and match the statements with the graphs.



*Phase 1: Year 2: Statistics***Task 10 (continued)**

Use the data from the graphs to explain which statements you agree

The same number of children like Go Fish.
Lots of boys like Last Card.
Children like Game of Life.
More girls like Uno than boys.
The same number of children like Snakes and Ladders and Sorry.
Three more children like Monopoly than Snakes and Ladders.
Last Card is the most popular card game.
Sorry is the least popular board game
Uno is a good card game to buy for children.
Two less children like Hungry Hippo than Game of Life

with and why.