



RICH MATHEMATICAL TASK BOOKLET

STATISTICS

YEAR 1

Task Copy Masters

Phase 1: Year 1: Statistics

Task 1

Marco organized his animals by size, the way they moved, and colour. What ways can you think of to organize these animals?

How many different ways can you think of to organise the animals?

Represent the results.

Phase 1: Year 1: Statistics

Task 1 (independent)

Sort the shapes into sets that are similar.

What sets have you made?

What is the same?

What is different?

How many is in each set?

Re-sort the shapes into different sets.

What sets have you made?

What is the same?

What is different?

How many is in each set?

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

As well as the animals, Marco also likes making collections and sorting these out. Unfortunately, his boxes of collections got all mixed up.

Help Marco to sort out the different collections for the objects.

What different ways could Marco sort the collections?

Represent the results.

Phase 1: Year 1: Statistics

Task 3

How do we all get to school in the morning?

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 1: Statistics

Task 3 (independent)

What did the children in this class have for morning tea yesterday?

How can you use the data to answer this question?

Record your results to present to the class.

Can you represent this in different ways?

*Phase 1: Year 1: Statistics***Task 4**

These are the pets that children from Tui class have at home.



Complete the table:

Dogs	
Cats	

Draw a representation to show this data.

Phase 1: Year 1: Statistics

Task 4 (independent)

Hamuera wanted to see how many bees and birds were in his garden. This is what he saw:



Complete the table:

Bees	
Birds	

Draw a representation to show this data.

*Phase 1: Year 1: Statistics***Task 5**

What food do you have for lunch?

Record the results in a table and make a representation to show the data.

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

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

Types of toys	Tally	Number
Cars		
Blocks		
Teddies		

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

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





Draw a picture graph that shows the data of the food in lunchboxes.

Draw another picture graph that only uses one symbol.

What statements make you make about that data?

*Phase 1: Year 1: Statistics***Task 6 (independent)**

The chart below shows how students in Room One get to school.

Transport	Tally
	
	
	
	

How many students are in Room One?

Draw a picture graph that shows how students in Room One get to school.

What statements can you make about how students in Room One get to school?

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

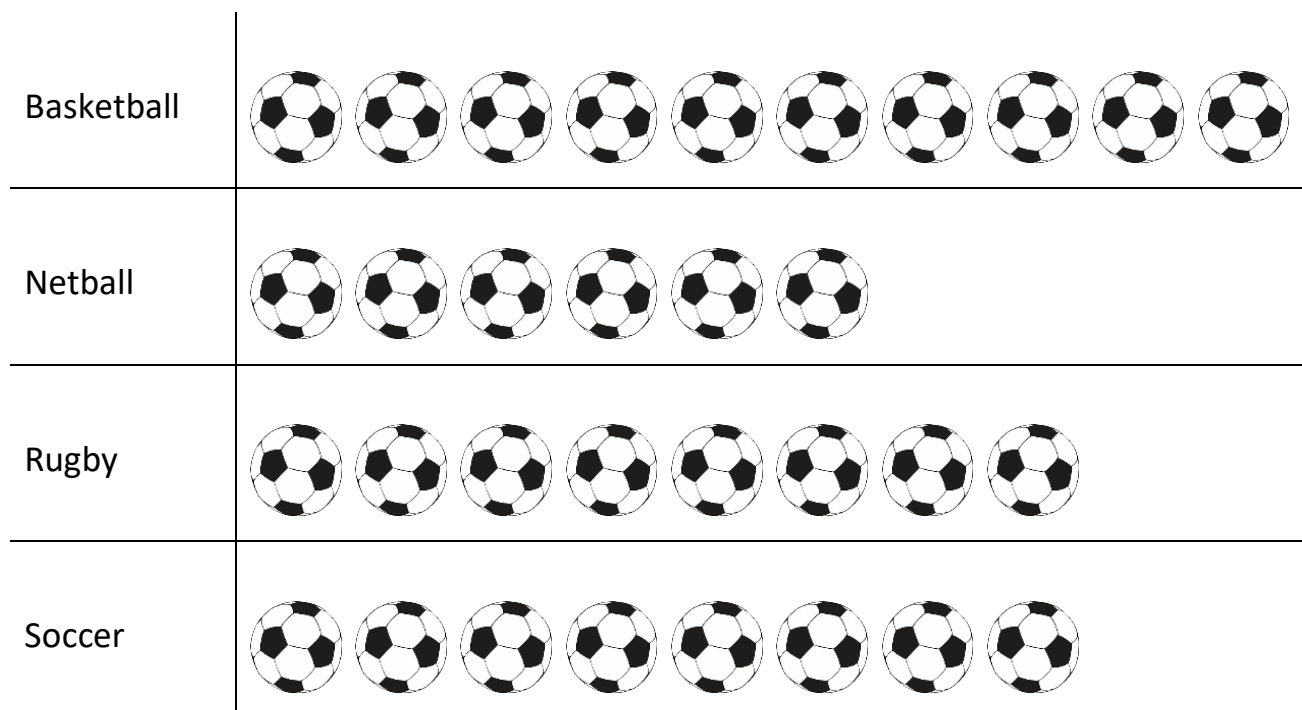
What sports do you play?

Record the results in a table.

Make two representations to show the data.

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

The chart below shows the different sports that children in a school play:



Record the data on a table:

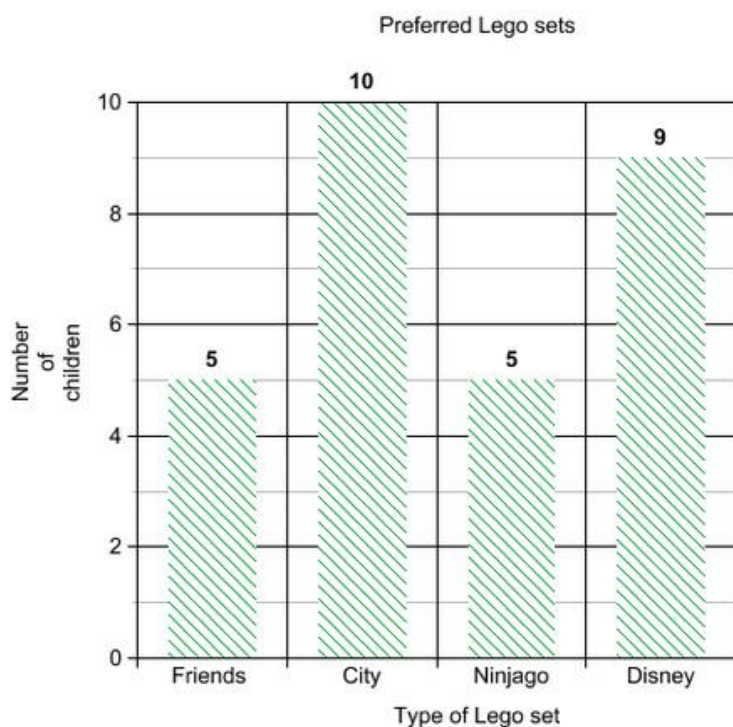
Type of sport	Tally	Number
Basketball		
Netball		
Soccer		
Rugby		

Make a graph of the data.

What statements can you make about the sports that children play?

*Phase 1: Year 1: Statistics***Task 8**

The Warehouse is stocking up for Christmas with Lego sets. They have surveyed a class to find out the students' favourite sets. The graph below shows what they found out.

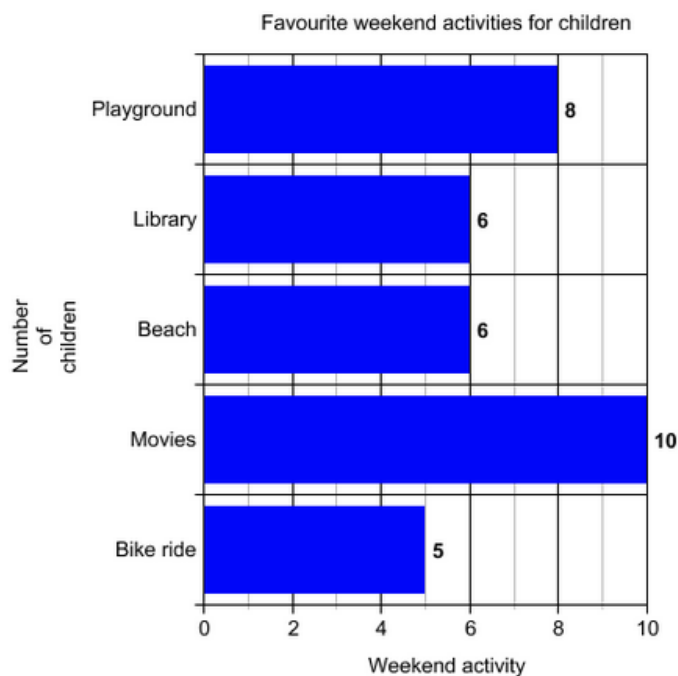


Make statements using 'I notice' about the data showing favourite Lego set types.

Make statements using 'I wonder' about the data showing favourite Lego set types.

*Phase 1: Year 1: Statistics***Task 8 (independent)**

These are the favourite weekend activities of one group of children:



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

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

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

Sophie Pascoe is an inspirational athlete. She has won a lot of medals for swimming at the Paralympics.

2008	2012	2018	2020
			

Record the different medals that Sophie Pascal has won on the table using tally marks and numbers.

Medal	Tally	Number
Gold		
Silver		
Bronze		

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

What statements can you make about the data?

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

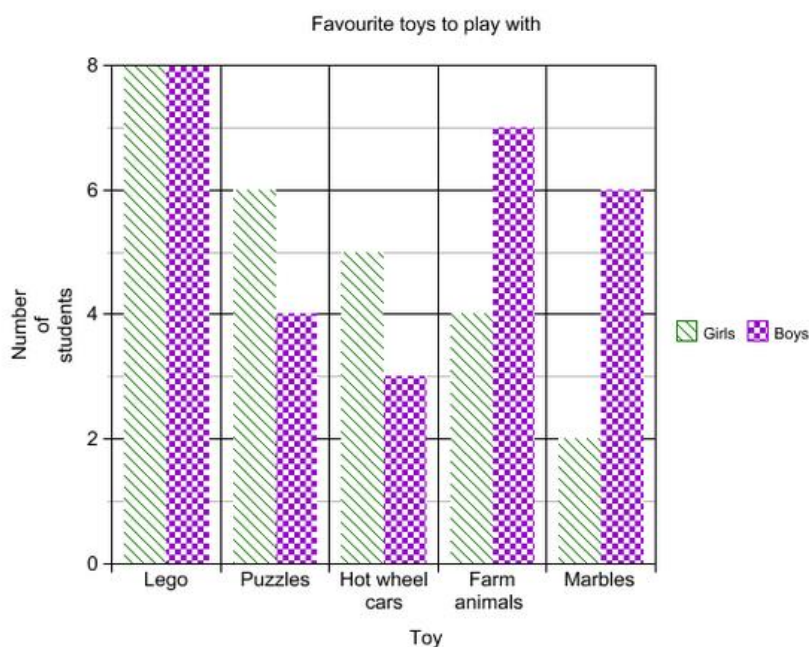
Make “I notice” and “I wonder” statements about the data on the graphs.

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

Phase 1: Year 1: Statistics

Task 10

Here is a graph about the favourite toys of boys and girls in Tui hub.



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

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