

Understanding graphs

CAPS Statement

Data Handling

Representing data:

Draw a variety of graphs to display and interpret data, including:

- pictographs with many-to-one representations
- bar graphs and double bar graphs

Note

You will learn how to:

- Organise data into tables
- Represent data in pictographs
- Analyse and interpret data using graphs
- Complete a full data cycle.

Activity 1

Lerato was asked to make a pictograph of the food her classmates liked to eat the most. She began by asking them to choose between fish, apples or ice cream.

These were the responses

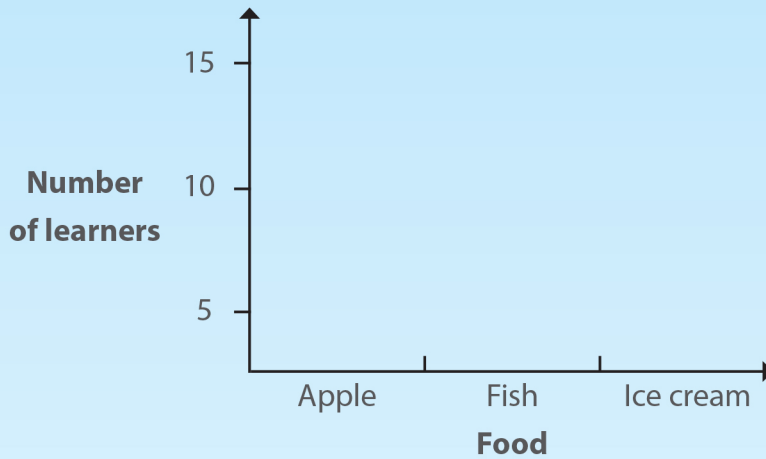
apple apple apple ice cream apple ice cream
ice cream ice cream fish fish apple
fish fish apple apple fish apple
apple fish ice cream apple fish
ice cream apple apple



a Fill in the table to count how many children are in her class.

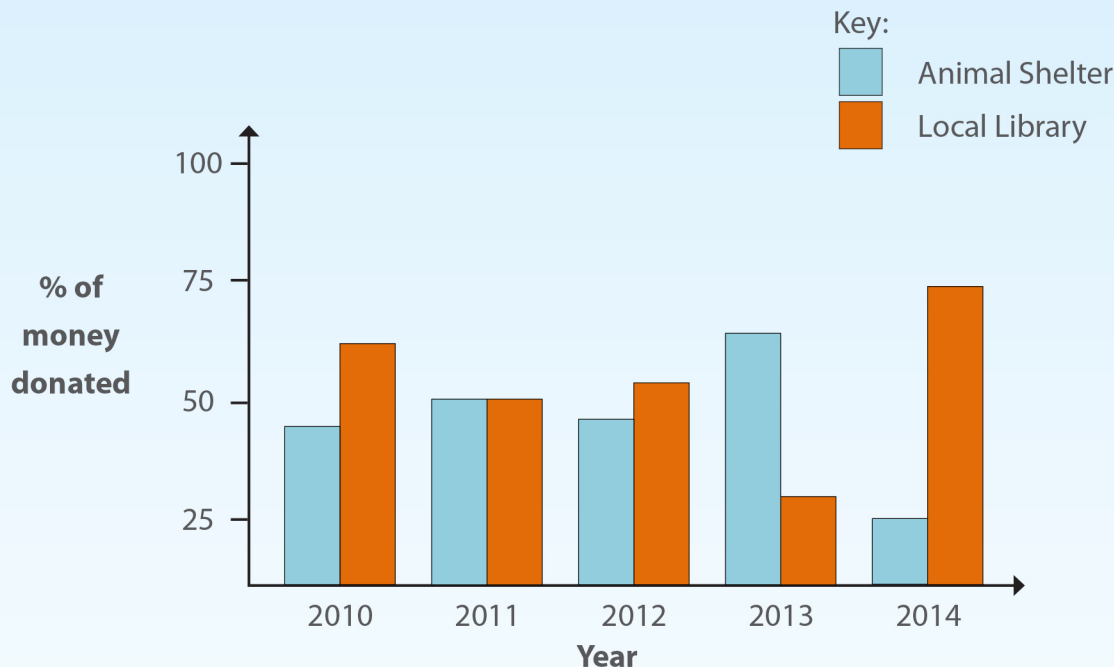
Food	Picture	Total
Apple		
Fish		
Ice cream		

- (b) What food is liked the most in Lerato's class? _____.
- (c) What food is liked the least? _____.
- (d) Draw a pictograph to show the foods liked by Lerato's classmates below:



Activity 2

Lerato gets R100 each year from her parents to donate to an animal shelter and her local library. She made a graph of the percentage of money she gave each year:



- (a) In what year did Lerato donate most of her money to the animal shelter? _____.
- (b) In what year did she donate most of her money to the library? _____.
- (c) In what year did she donate her money equally? How much did they each get that year? _____.

Teacher Tip

In order to present data, you can use a variety of things that children can relate to such as food, people and cars.



Interpreting data

CAPS Statement

Data Handling

Analysing, interpreting and reporting data:
Critically read and interpret data represented in:

- words
- pictographs
- bar graphs
- double bar graphs
- pie charts

Note

You will learn how to:
Analyse and interpret data using pictographs, bar graphs and pie charts.
Report writing.

Activity 1



- (a) Who collected the most stars? _____.
- (b) How many more stars did Jane collect than Clare? _____.
- (c) How many more stars should Chris collect to have as many as Matt? _____.
- (d) List the learners who collected the most stars to the least stars, in order.
_____.