

Collecting data

CAPS: Grade 4, Term 3

Data handling

Collecting and organising Data

Collect data using tally marks and tables for recording

Note

Data handling is used to collect information.

There is a range of methods to collect data, using graphs, charts and diagrams.

We can record the data using tally marks, pictures or coloured blocks to represent the data.

Activity 1

This is a tally chart. Lerato collected data about her friends' favourite fruit. She used tally marks to represent each friend. She asked 12 friends.

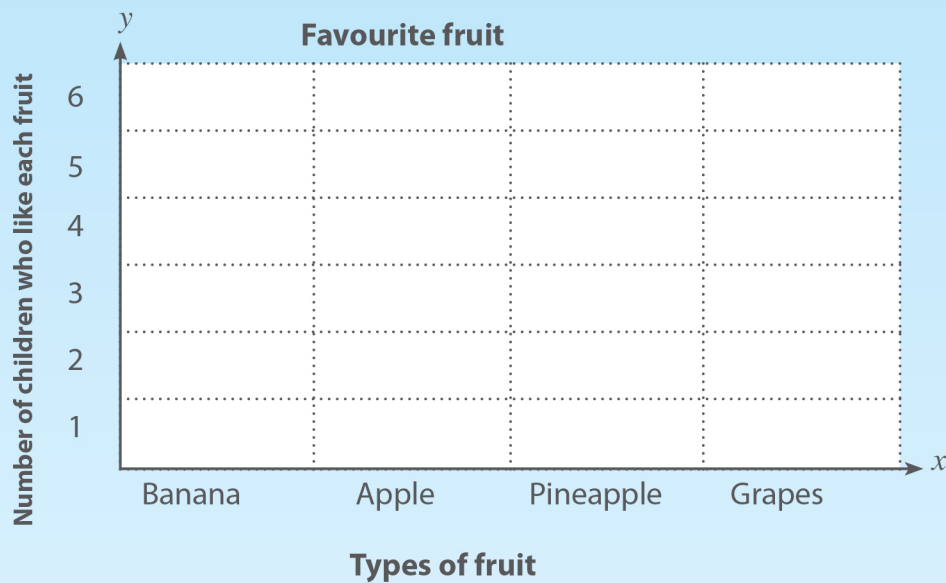
FRUIT	TALLY	
Banana		
Apple	###	
Pineapple		
Grapes		
Count the tally marks to check how many children there were in total.		

TOTAL

Refer to the tally chart to answer the questions below.

- How many people's favourite fruit is pineapple? _____
- Which fruit was the most favoured? _____
- Which fruit was the least favoured? _____

We can represent the data on the previous page using another type of chart. This is called a bar chart. Each block can represent 1 child. Colour the blocks to match the tally marks.



Above are two different ways to represent the same data.

Activity 2

Collect and organise data from 10 children in class to find out what is their favourite sport. Use the data collected to answer the following questions. (No more than 10 children).

Favourite Sport

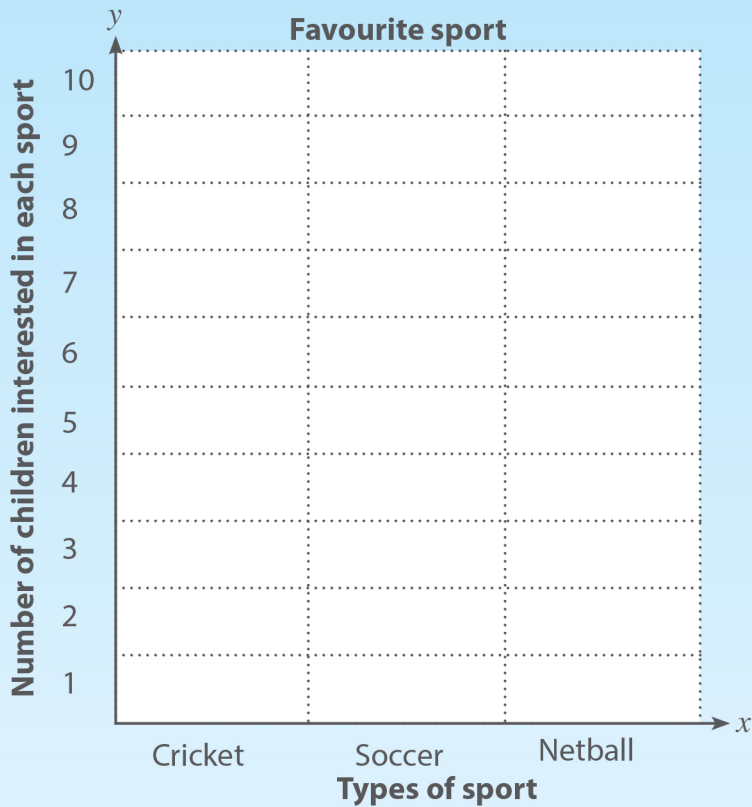
This is the title to explain what the data is about.

SPORT	TALLY	TOTAL
Cricket		
Netball		
Soccer		
swimming		

- How many children chose cricket? _____
- How many children selected netball? _____
- What is the most popular sport in your class? _____
- What is the least favourite sport in your class? _____
- How many children were there in total? _____



Complete the bar chart using the data.



Activity 3

Think of your own data you would like to collect.

Example: Favourite subjects, favourite school day, favourite chocolate.

Can you fill in the tally chart? Remember the title, headings, tally and total.

Title:		
	TALLY	TOTAL

(a) Most favourite? _____ (b) Least Favourite? _____

(c) How many children did you question in total? _____

Teacher Tip

Range of methods to collect data. Tally chart, bar chart, pictograph, Venn Diagram, Carroll Diagram.

