



Which Data?

Need: Data picture cards cut up individually (see below), data name cards cut up individually (see below), data collection scenarios (see below)

- *NB This activity could be done as a guided activity as the discussion and questioning are important aspects of the tasks.*
- Children should understand what each type of table, chart or graph is used for and how to interpret and present the data.
- **Data collection tools** – tally chart, list, table, survey, questionnaire.
- **Data representation tools (discrete)** – frequency table, block graph, pictogram, bar chart (bars not touching).
- **Data representation tools (continuous)** – time/line graph, bar chart (bars touching).

Task 1:

In pairs/small groups sort all the cut up data cards into the three areas of:

- **Data collection tools**
- **Data representation tools (discrete)**
- **Data representation tools (continuous)**

See above for answers.

Task 2:

- In pairs/small groups match the data cards to the names.
 - *NB more than one data card may match with each name.*

- **Task 3:**

In pairs/small groups, consider the different scenarios of data collecting and decide the best way to present your data.

- Give reasons why you have chosen the identified representation.

- **Task 4:**

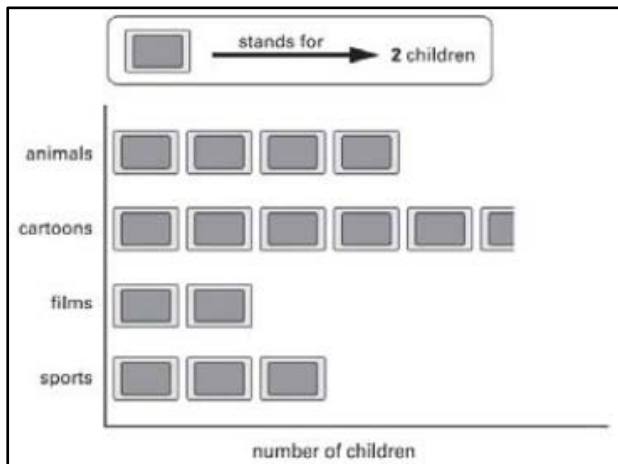
In pairs, think of your own data scenario and write this on one of the cut up blank cards.

- Swap with another pair to decide what representation could be used.
- Discuss the different options and agree the most efficient way to represent the information giving reasons for your choices.



Which Data?

Data Cards

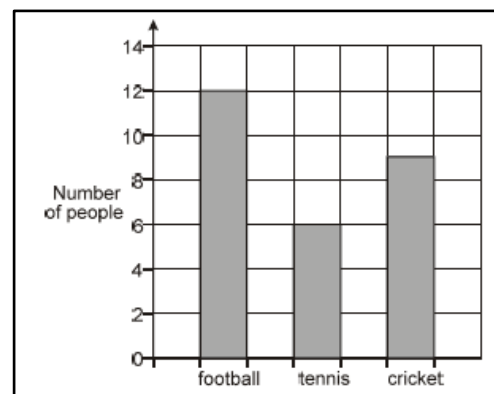


Blackbird	
Sparrow	
Robin	
Blue tit	
Other	

Colour	Number of bikes
green	4
red	7
blue	12
pink	3

	May	June	July
walking	25	80	75
sailing	15	42	50
climbing	18	27	23

January	31	July	31
February	28	August	31
March	31	September	30
April	30	October	31
May	31	November	30
June	30	December	31

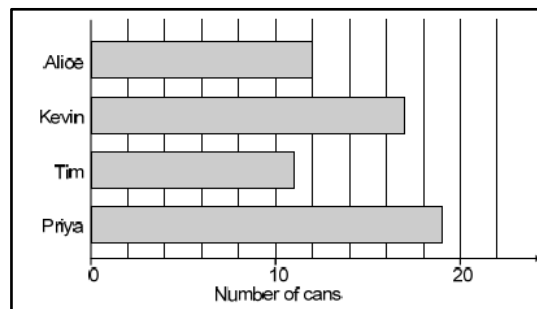
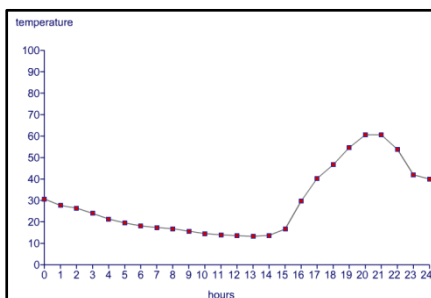
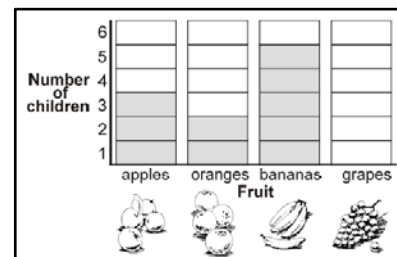
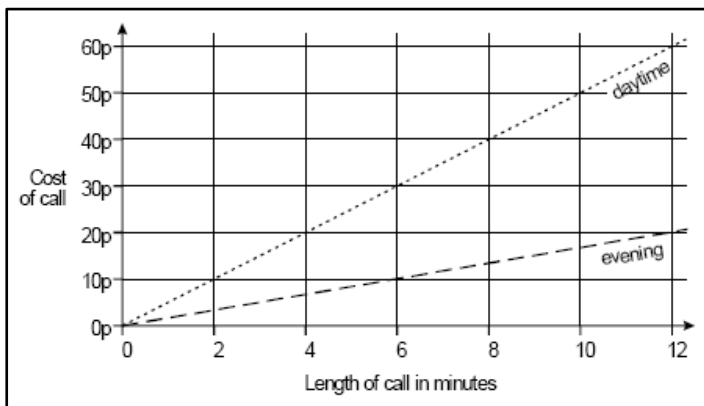
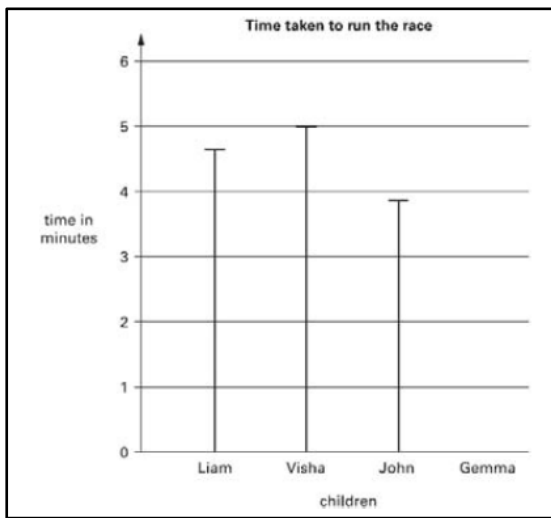




Which Data?

City	Temperature in °C
Athens	31
Barcelona	29
Berlin	19
Brussels	21
Dublin	22
Geneva	19
Madrid	25
Moscow	15
Paris	19
Rome	31

colour	number of cars
red	19
yellow	6
green	4
blue	5
white	8
silver	9





Which Data?

Pictogram	Tally Chart	Bar-line graph
Frequency Table	Time/line graph	Bar chart/graph
Table/list	Block graph	

Data Scenarios: What different data representations could you use to show these scenarios?

Which Data?



Favourite TV programmes of children in your class	Favourite football teams in your class
The different birds visiting the school bird table	The clubs that children attend in school
The weight of recycling that each class in school collects each day over a school week	The number of vehicles in the school car park at different times of the school day
The times that children in your class take to run 100 metres	The temperature of the school playground at different times of the school day
Children's birthdays in your class	Individual results of a weekly spelling test
The number of books read in a month	The temperature of hot water as it cools
The results of school netball matches	The number of skips different children can do in a minute



Which Data?
