



Be the best that we can be.



EBJ Knowledge Organiser Computing Year 3

Summer 2
Data handling –
comparison cards



Learning objectives

In this unit children will learn about databases and spreadsheets. They will understand what fields, records, and data are, compare paper and computerised databases, enter values into a spreadsheet, sort and filter data, create graphs, and explain why visual representations of data are useful.

- Explain what is meant by **field**, **record** and **data**.
- Compare paper and computerised databases.
- Put values into a spreadsheet.
- Sort, filter and interpret data in a spreadsheet.
- Create a graph.
- Explain the purpose of visual representations of data.



What is a database?

A **database** is a way to keep lots of information in one place so it's easy to find and use. It's like a digital filing cabinet where each piece of information is stored in a special spot called a **field**, and all the information about one thing is called a **record**.

1. What symbols do spreadsheets use for multiplication and division instead of 'x' and '÷'?

Carl has entered the details of his tea party onto the spreadsheet below.

	A	B	C	D
1	Carl's Tea Party			
2	Food	Number needed	Cost per item	Total
3	Cheese buns	16	(£0.50)	(£8.00)
4	Crust cakes	8	(£0.75)	(£6.00)
5				
6	Drink			
7	Chocolade	3	(£2.00)	(£6.00)
8	Cris	2	(£3.40)	(£6.80)
9				
10	Other			
11	Cheese	3	(£4.00)	(£12.00)
12				
13	Total			(£52.80)

2. The spreadsheet calculates the value of D5. What could Carl have entered into that cell? Circle your answer.

= B5 * C5 = B5 / C5 = B5 - C5

3. What could you type in D5 to find the total cost of the cream buns and the crust cakes?

4. Explain how the cell D13 is calculated.

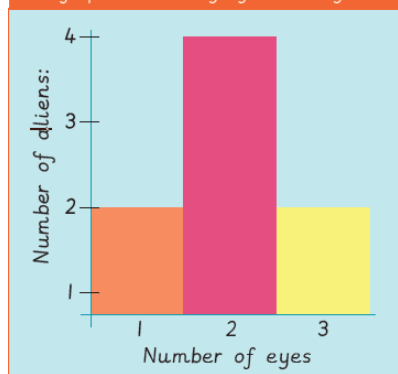
Data handling



Database: Can you identify each alien?

Aliens:	Colour:	Eyes:	Legs:	Lives:
Edward	Purple	2	0	Neptune
Tony	Yellow	3	2	Mars
Gordon	Green	2	2	Venus
Joanne	Green	3	12	Mars
Flora	Pink	2	2	Jupiter
Derek	Teal	1	0	Neptune
Roberta	Orange	2	2	Neptune
Luna	Purple	1	2	Saturn

Bar graph: How many eyes do they have?



Read all about it! Can you find these books in your local library?



Key Vocabulary

Category, chart, data, database, field, filter, graph, information, interpret, questionnaire, record, representation, sort, spreadsheet.

What is a spreadsheet?

A **spreadsheet** is a type of computer program where you can put numbers, words, or other information into rows and columns. It helps you organise information, do calculations, and make charts or graphs to show your data clearly.