

# YR3 Knowledge Organiser - Statistics

## Key Concepts

- Interpret and present data using bar charts, pictograms and tables.
- Solve one-step and two-step problems using information presented in scaled bar charts.

## Key Vocabulary

- data
- bar chart
- pictogram
- table
- axis / axes



## Tables

Tables can be used to organise and present data.

Group 1's Favourite Subjects

	English	Maths	Art	PE
Darcey	✓		✓	✓
Jane		✓	✓	✓
Alfie	✓			
Anita	✓		✓	✓
Jerry		✓		





Number of Children in After-School Clubs


Day	KS1	KS2
Monday	12	25
Tuesday	15	31
Wednesday	8	19
Thursday	10	22
Friday	7	13

## Pictograms

Data can be presented in different ways, including a pictogram. Each icon in a pictogram represents a set number.

Year 3 Pets

Cat	
Dog	
Rabbit	
Goldfish	

 = 2 pets

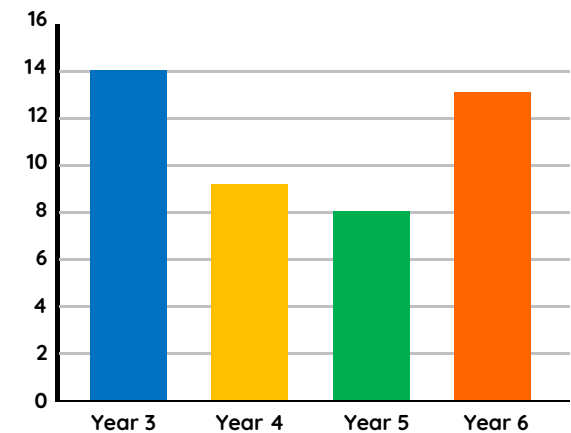


"There are 3 and a half icons for cats. This means that 7 children have cats."

## Bar Charts

A bar chart presents data in bars. They can be vertical or horizontal. Both axes are labelled and care must be taken to read the intervals between the scales.

Number of Books Read by KS2



We can use data to solve one-step problems.

**How many more books did Y3 read than Y5?**

$14 - 9 = 5$  so Y3 read 5 more books than Y5.

We can use data to solve two-step problems.

**How many books did Years 3 to 5 read?**

$$14 + 9 = 23$$

$$23 + 8 = 31$$

Years 3 to 5 read 31 books.

