Mathematics Guide

Lesson Breakdown

Interpret and present data using bar charts, pictograms and tables.

Charts and Graphs (1): Our Shoe Sizes
I can interpret data in a bar chart.

Charts and Graphs (2): Dice Rolling
I can present and interpret data in a bar chart with a 2:1 scale.

Charts and Graphs (3): Car Parks
I can present and interpret data in a pictogram with a 5:1 scale.

Charts and Graphs (4): School Lunches
I can present and interpret data in a pictogram with a 10:1 scale.

Charts and Graphs (5): Ice Cream Sales
I can present and interpret data in a table.

Charts and Graphs (6): Comparing Books
I can present and interpret data in a more complex table.

Home Learning: Measuring Toys
Differentiated activities in which children are asked to measure the height or mass of toys and then create a bar chart of the information.

Solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts, pictograms and tables.

Questions about Data (1): Party Time
I can interpret data in a pictogram with a 5:1 scale.

Questions about Data (2): Shadows
I can interpret data in a bar chart with a 10:1 scale.

Questions about Data (3): Either, Both or None
I can interpret data in a simple Venn diagram.

Questions about Data (4): Measuring Up
I can present and interpret data in a Carroll diagram.

Questions about Data (5): Team Points
I can present and interpret data in a table.

Home Learning: From the Kitchen
Differentiated activities in which children are asked to collect data from food labels and complete a table using the information. They then ask and answer questions about the data.

From the Kitchen

Choose a selection of foods from your home.

Look at the information on the labels to complete the table below.

Product	Best Before Date	Energy (kj per 100g)	Fat (g per 100g)	Fibre (g per 100g)

Now answer the questions below about your chosen items.

1) Which item has the most energy per 100g? _____

2) How many items have more than 200kJ per 100g? _____

3) How many items will keep for more than one year? _____

4) Which items have less than 4g fat per 100g? _____

Can you write two questions about your data for someone else to answer?

1) _____

_____

2) _____

_____

From the Kitchen

Choose a selection of foods from your home.

Look at the information on the labels to complete the table below.

Product	Packet Weight	Best Before Date

Now answer the questions below about your chosen items.

1) Which item is the heaviest? _____

2) Which item should be eaten soonest? _____

3) How many items weigh more than 500g? _____

4) How many items will keep for more than one year? _____

Can you write two questions about your data for someone else to answer?

1) How much heavier is _____ than _____ ?

2) How much longer will _____ last than _____ ?

From the Kitchen

Choose a selection of foods from your home.

Look at the information on the labels to complete the table below.

Product	Packet Weight	Best Before Date	Energy (kj per 100g)

Now answer the questions below about your chosen items.

1) Which item has the most energy per 100g? _____

2) Which item can be kept longest? _____

3) How many items weigh more than 500g? _____

4) How many items will keep for more than one year? _____

Can you write two questions about your data for someone else to answer?

1) How much heavier is _____ than _____ ?

2) How much longer will _____ last than _____ ?