

Max's Statistics Challenge: Data Handling Flashcards

Learning objective: To recall and apply key vocabulary and concepts related to statistics, including interpreting tables, line graphs, and timetables.

Use these flashcards to test your knowledge of statistics. Work with a partner to define the terms or solve the quick maths problems presented by Max the monkey.

What is 'discrete data'?

Data that can only take specific, separate values, such as the number of apples in a basket (you cannot have half an apple in this count).

What is 'continuous data'?

Data that can take any value within a range, such as height, weight, or the time taken to run a race.

Max counts 5 monkeys, 3 elephants, and 2 lions. What is the 'frequency' of the lions?

The frequency is 2.

What is a 'two-way table'?

A table that displays information in rows and columns to show the relationship between two different categories of data.

On a line graph, what is the horizontal line called?

The x-axis.

What is a 'line graph' best used for?

To show how data changes over a period of time.

If a train leaves at 09:15 and arrives at 10:45, how long was the journey?

1 hour and 30 minutes.

How do you calculate the 'mean' of a set of numbers?

Add all the numbers together and divide the total by the amount of numbers in the set.

What does the 'scale' on a graph tell you?

It tells you what each interval or step on the axis represents (e.g., each square equals 2 units).

If a line on a graph goes upwards from left to right, what does this show about the 'trend'?

It shows an increasing trend.

Max buys 3 bananas for £1.20. What is the mean cost per banana?

£0.40 (or 40p).

What is a 'timetable'?

A schedule showing the times at which events or transport services are planned to happen.