Kit’s Computing Data Investigation

Learning objective: I can collect, organise, and present data to answer a clear enquiry question.

About 15 minutes. Grown-up tip: Help your child count their tally marks accurately to ensure their totals add up correctly.

Data helps us spot patterns. To complete this, choose a question to investigate (e.g., 'What is the most popular fruit in Year 6?').

Worked Example: If investigating favourite colours, you first create a tally chart with categories like 'Red', 'Blue', and 'Green', then count the responses to create your data set.

1. Define your goal.
2. Gather your data using a tally.
3. Present the findings clearly.

Word bank: tally · frequency · axis · category · data set · conclusion

1. The Enquiry: State the specific question you are trying to answer. Why is this data worth collecting? (2 marks)

2. Data Collection: Create a table below to record your tallies. List at least four categories for your chosen topic. (3 marks)

3. Total Frequency: Convert your tallies into a frequency table with numerical values. What is the total sum of your data? (2 marks)

4. Analysis: Identify the 'mode' (the most frequent value) and the 'range' (the difference between the highest and lowest values) of your data. (3 marks)

5. Conclusion: What does your data show? Write one sentence to explain what you have discovered. (2 marks)

Extension challenge: Create a bar chart on squared paper using your data. Remember to label both the horizontal and vertical axes accurately and choose a sensible scale.



I did it! Name: _____ Date: _____

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